

```

OM nucleic - nucleic search, using sw model
                September 20, 2003, 01:39:14 : Search time 219.634 Seconds
Run on:                (without alignments)
                        6171.248 Million cell updates/sec

```

```
Title: US-10-081-817A-19
Perfect score: 551
Sequence: 1 cgagccggaggagcgacgcg...gagccccgcccccgagc 551
Scoring table: IDENTITY NUC
Gapop 10.0 , Gapext 1.0
```

Searched: 1660708 segs, 1229959015 residues
6 bits satisfying chosen parameters: 3321416

Minimum	DB seq	length:	0
Maximum	DB seq	length:	2000000000

```

post-processing:  Minimum Match 0%
                  Maximum Match 100%
                  Listing first 45 summaries

```

```

Database :
Published_Applications_MN:*
1: /cgn2_6/ptodata/1/pubnpa/US07_PUBCOMB.seq:*
2: /cgn2_6/ptodata/1/pubnpa/PC71_NEW_PUB.seq:*
3: /cgn2_6/ptodata/1/pubnpa/US06_NEW_PUB.seq:*
4: /cgn2_6/ptodata/1/pubnpa/US06_PUBCOMB.seq:*
5: /cgn2_6/ptodata/1/pubnpa/US07_NEW_PUB.seq:*
6: /cgn2_6/ptodata/1/pubnpa/PC7US_PUBCOMB.seq:*
7: /cgn2_6/ptodata/1/pubnpa/US08_NEW_PUB.seq:*
8: /cgn2_6/ptodata/1/pubnpa/US09_PUBCOMB.seq:*
9: /cgn2_6/ptodata/1/pubnpa/US09A_PUBCOMB.seq:*
10: /cgn2_6/ptodata/1/pubnpa/US09B_PUBCOMB.seq:*
11: /cgn2_6/ptodata/1/pubnpa/US09C_PUBCOMB.seq:*
12: /cgn2_6/ptodata/1/pubnpa/US09_NEW_PUB.seq:*
13: /cgn2_6/ptodata/1/pubnpa/US10A_PUBCOMB.seq:*
14: /cgn2_6/ptodata/1/pubnpa/US10B_PUBCOMB.seq:*
15: /cgn2_6/ptodata/1/pubnpa/US10_NEW_PUB.seq:*
16: /cgn2_6/ptodata/1/pubnpa/US60_NEW_PUB.seq:*
17: /cgn2_6/ptodata/1/pubnpa/US60_PUBCOMB.seq:*

```

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB	ID	Description
1	509.2	62.4	547	13	US-10-081-817-19	Sequence 19, Appl
2	358.4	61.4	1294	12	US-10-059-879-120	Sequence 10, App
3	143.6	26.1	553	13	US-10-027-632-196114	Sequence 6, Appl1
4	116	26.1	561	14	US-10-237-835-27	Sequence 27, Appl
5	78	14.2	569	12	US-10-210-951-27	Sequence 407, App
6	78	14.2	570	9	US-09-989-872-407	Sequence 407, App
7	78	14.2	570	9	US-09-989-732-407	Sequence 407, App
8	78	14.2	570	9	US-09-989-247-407	Sequence 407, App
9	78	14.2	570	9	US-09-989-731-407	Sequence 407, App
10	78	14.2	570	10	US-09-988-737-407	Sequence 407, App
11	78	14.2	570	10	US-09-988-073-407	Sequence 407, App
12	78	14.2	570	10	US-09-980-442-407	Sequence 407, App
13	78	14.2	570	10	US-09-991-163-407	Sequence 407, App
14	78	14.2	570	10	US-09-993-604-407	Sequence 407, App
15	78	14.2	570	10	US-09-990-456-407	Sequence 407, App
16	78	14.2	570	10		

17	78	14.2	570	10	US-09-989-721-407	Sequence 407, App
18	78	14.2	570	10	US-09-982-598-407	Sequence 407, App
19	78	14.2	570	10	US-09-988-293-407	Sequence 407, App
20	78	14.2	570	10	US-09-988-725-407	Sequence 407, App
21	78	14.2	570	10	US-09-990-444-407	Sequence 407, App
22	78	14.2	570	10	US-09-992-181-407	Sequence 407, App
23	78	14.2	570	10	US-09-989-730-407	Sequence 407, App
24	78	14.2	570	10	US-09-990-436-407	Sequence 407, App
25	78	14.2	570	10	US-09-993-689-407	Sequence 407, App
26	78	14.2	570	10	US-09-989-729-407	Sequence 407, App
27	78	14.2	570	11	US-09-989-653-407	Sequence 407, App
28	78	14.2	570	11	US-09-993-661-407	Sequence 407, App
29	78	14.2	570	11	US-09-997-428-407	Sequence 407, App
30	78	14.2	570	11	US-09-997-666-407	Sequence 407, App
31	78	14.2	570	11	US-09-990-438-407	Sequence 407, App
32	78	14.2	570	11	US-09-990-562-407	Sequence 407, App
33	78	14.2	570	11	US-09-990-711-407	Sequence 407, App
34	78	14.2	570	11	US-09-989-726-407	Sequence 407, App
35	78	14.2	570	11	US-09-989-156-407	Sequence 407, App
36	78	14.2	570	11	US-09-990-437-407	Sequence 407, App
37	78	14.2	570	11	US-09-991-157-407	Sequence 407, App
38	78	14.2	570	11	US-09-997-514-407	Sequence 407, App
39	78	14.2	570	11	US-09-997-573-407	Sequence 407, App
40	78	14.2	570	11	US-09-991-172-407	Sequence 407, App
41	78	14.2	570	11	US-09-990-726-407	Sequence 407, App
42	78	14.2	570	11	US-09-997-559-407	Sequence 407, App
43	78	14.2	570	11	US-09-997-601-407	Sequence 407, App
44	78	14.2	570	11	US-09-990-443-407	Sequence 407, App
45	78	14.2	570	11	US-09-991-854-407	Sequence 407, App

ALIGNMENTS

RESULT 1
US-10-081-817-19
Application US/10081817

Sequence ID: US20020183501AI
Publication NO.:
GENERAL INFORMATION:
APPLICANT: Kornella, Kornella
APPLICANT: Porter, Dale
APPLICANT: Seigel, Dennis
APPLICANT: Krop, Ian
TITLE OF INVENTION: HIN-1, A TUMOR SUPPRESSOR GENE
FILE REFERENCE: 00530-094001
CURRENT FILING DATE: 2002-05-31
CURRENT FILING DATE: 2002-05-31
PRIORITY APPLICATION NUMBER: 60/270,973
PRIORITY FILING DATE: 2001-02-23
PRIORITY APPLICATION NUMBER: 60/351,908
PRIORITY FILING DATE: 2002-01-25
PRIORITY ID NOS: 32
NUMBER OF SEQ ID NOS: 4,0
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO: 19
LENGTH: 347

```

; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 186
; OTHER INFORMATION: n = C or G
US-10-081-817-19

```

Query Match	92.4%	SOCA	Pred. No. 3.2e-101	Indels	4	Gaps	2
Best Local Similarity	97.8%						
Matches	539	Conservative	0	Mismatches	8		
OY	1	CGGCGGAGGAGCGCGCGGAGATGAGGCGTCATGTCCTCGGCGCTCCAGCTCCAGG	60				
	1	CGGCGGAGGAGCGCGCGGAGATGAGGCGTCATGTCCTCGGCGCTCCAGCTCCAGG	60				
Db	1	CGGCGGAGGAGCGCGCGGAGATGAGGCGTCATGTCCTCGGCGCTCCAGCTCCAGG	120				
	61	CGCAGAGGCGCCACGAGGCCCGCATGCGCCGAGCTGGCACGCTCTGGGATGAGAGG					
OY							

Dp		61	GCAGAAAGGCGCCCAACGAGAACCCCACTGGCCGACGTTTGGCAGCGTCTGGGATTCAGAGG	120
Oy		121	CAGGAGACCAGGAGGCCAGGAACCTGCGGCCGCCGCCCTCTGCTTGCGCGCAGGAGAAGCT	180
Dd		121		177
Oy		181	CCCTACCCNAGAGGGAAGCTCCCTCACCCGGGCCAAGCCCTGACAGGGGGGGCGCGTGGGGTGC	240
Dd		178	CCCTTACCNGAGGAAGCTCCCTCTCACCCGGGCCAGCCCTTG--AGGGGGCGCGTGGGGTGC	236
Oy		241	AGACGCGAAAGCGAAGGTGCGGGGCCGGGGGTGGGCTCTGCGAGAGACAAGAGCCGGGACTGCG	300
Dd		237	AGACGCGAAAGCGAAGGTGCGGGGCCGGGGGTGGGCTCTGCGAGAGACAAGAGCCGGGACTGCG	296
Oy		301	CTCTCTCAGAGAGGGCCCCAGCGCCCTGCGCAAGAGAACTCTTGAGGCCCGCGGCGAGGAAAG	360
Dd		297	CTCTCTCAGAGAGGGCCCCAGCGCCCTGCGCAAGAGAACTCTTGAGGCCCGCGGCGAGGAAAG	356
Oy		361	GGGCAGCGGGCTTCCAGAGGGCCCGCGCGCGAGCAGGAAGTTTGGCCAGAGGACGGGCCGTG	420
Dd		357	GGGCAAGGGGCTTCCAGAGGGCCCGCGCGCGAGCAGGAAGTTTGGCCAGAGGACGGGCCGTG	416
Oy		421	AGCGAGGCGGGCAGGGGCTTCTCAGAGAGCGCGGGCGAGGCCGCGGCTTGAGAGGGCGAGA	480
Dd		417	AGCGAGGCGGGCAGGGGCTTCTCAGAGAGCGGGGGAGAGCCGGGCGTGGAGAGGGCGAGA	476
Oy		481	CCGGGTATTAAAGAGCTCTGTGGCCTTGCCCGGCGAGCCGAGAGTTTCCCAGCGGCCCGGA	540
Dd		477	CCGGGTATTAAAGAGCTCTGTGGCCTTGCCCGGCGAGCCGAGAGTTTCCCAGCGGCCCGGA	536
Oy		541	GCCCCCGCGGCC	551
Dd		537	GCCCCCGCGGCC	547
<hr/>				
RESULT 2				
US-10-059-579-120				
Sequence 120. Application US/10059579				
Publication No. US20030138783A1				
GENERAL INFORMATION:				
APPLICANT: THE JOHNS HOPKINS UNIVERSITY SCHOOL OF MEDICINE				
APPLICANT: SUKUMAR, Saraswati				
APPLICANT: EVRON, Ella				
APPLICANT: DOOLEY, William C.				
APPLICANT: DAVIDSON, Nancy				
APPLICANT: FACKLER, Mary Jo.				
TITLE OF INVENTION: ABERRANTLY METHYLATED GENES AS MARKERS OF BREAST MALIGNANCY				
FILE REFERENCE: JHU1630-1				
CURRENT APPLICATION NUMBER: US/10/059,579				
PRIOR APPLICATION NUMBER: US 09/771,357				
PRIOR FILING DATE: 2001-01-26				
NUMBER OF SEQ ID NOS: 136				
SOFTWARE: PatentIn version 3.1				
SEQ ID NO 120				
LENGTH: 1794				
TYPE: DNA				
ORGANISM: Homo sapiens				
FEATURE:				
NAME/KEY: misc_feature				
LOCATION: (359)..(359)				
OTHER INFORMATION: n is any nucleotide				
US-10-059-579-120				

Db	870	AGCGAAGTGGGGGCGGGGTGGGCTCTGGGAGACAAAGGCCGGGGCTGGCTCTCTAG	929
QY	310	AGGGCCCCAGCGCCCTGCCAAGAGAAGTCTCGAGGCCCGGGGCAGAGAGGGGGCACGGG	369
Db	930	AGGGCCCCAGCGCCCTGCCAAGAGAAGTCTCTGAGGCCCGGGGCAGAGAGGGGGCACGGG	989
QY	370	CTTCCCAAGGCGCCCGGGCCGCGACAGAGAAATTGGCCAGGGCCAGCGCCGTAGCGGACGG	429
Db	990	CTTCCCAAGGCGCCCGGGCCGCGACAGAGAAATTGGCCAGGGCCAGCGCCGTAGCGGACGG	1049
QY	430	GGCAGAGGCTTCTCAGAGAGCGCGGGCGAGGCGCTGAGAGGGGCGAGGACCGGGTATA	489
Db	1050	GGCAGAGGCTTCTCAGAGAGCGCGGGCGAGGCGCGCTGAGAGGGGCGAGGACCGGGTATA	1109
QY	490	AGAAAGCTCTGAGGCTTCCCGGGGAGCGCAGAGTTCCCGCGGGCCCGGAGCCCCCGCG	549
Db	1110	AGAAAGCTCTGAGGCTTCCCGGGGAGCGCAGAGTTCCCGCGGGCCCGGAGCCCCCGCG	1169
QY	550	CC 551	
Db	1170	CC 1171	

```

RESULT 3
US-10-027-632-196114/C
; Sequence 196114, Application US/10027632
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; TITLE OF INVENTION: Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218, 006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FASTSEQ for Windows Version 4.0
; SEQ ID NO 196114
; LENGTH: 533
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-196114

```

[illegible][illegible]

us-10-081-817a-19.rnpb

RESULT 4
US-10-237-435-6
Sequence 6, Application US/10237435
Publication NO. US20030124580A1
GENERAL INFORMATION:
APPLICANT: Walker, Michael G.

```

1 APPLICANT: MURRY, Lynn E.
2 APPLICANT OR INVENTION: LONG SURFACTANT MOLECULES
3 TITLE OR INVENTION: PB-0019 US
4 FILE REFERENCE: PB-0019 US
5 CURRENT APPLICATION NUMBER: US/10/237,435
6 CURRENT FILING DATE: 2002-09-06
7 PRIOR APPLICATION NUMBER: 60/317,822
8 PRIOR FILING DATE: 09-07-2001
9 PRIOR SEQ ID NOS: 9
10 NUMBER OF SEQ ID NOS: 9
11 SOFTWARE: PERL Program
12 SEQ ID NO: 6
13 LENGTH: 561
14 TYPE: DNA
15 ORGANISM: Homo sapiens
16 FEATURE:
17 NAME/KEY: misc.feature
18 OTHER INFORMATION: Incyte ID No. US20030124580A1 242745.1
19 US-10-237-435-6

```

Query Match	Similarity	Score	DB	Length	561
Best Local	100.0%	Prod. No.	1.3e-16		
Matches	116	Conservative	0	Mismatches	0
				Indels	0
				Gaps	0
OY	436	GCTTCTCAGACGCGGGCGAGCGCGCTGTGAGGGCGAGAGACGCGATATAAGAC	495		
					60
Db	1	GCTTCTCAGAGGCGCGGCGAGCGCGCTGTGAGGGCGAGAGACGCGATATAAGAC	551		
					116
OY	496	CTCGTGGGCTTCCCGGGCGAGCGCGAGGTTCCCGCGCGCCCGACATCCCGCGCGC	116		
					116
Db	61	CTCGTGGGCTTCCCGGGCGAGCGCGAGGTTCCCGCGCGCCCGACATCCCGCGCGC	116		

RESULT 5
US-10-210-951-27
: Sequence 27, Application US/10210951
: Publication No. US20030170228A1
: GENERAL INFORMATION:
: APPLICANT: Ashkenazi, Avi J.
: APPLICANT: Goddard, Audrey
: APPLICANT: Godowski, Paul J.
: APPLICANT: Gurney, Austin L.
: APPLICANT: Hillan, Kenneth J.
: APPLICANT: Marsters, Scot A.
: APPLICANT: Pan, James
: APPLICANT: Pitti, Robert M.
: APPLICANT: Roy, Margaret Ann
: APPLICANT: Smith, Victoria
: APPLICANT: Stone, Donna H.
: APPLICANT: Watanabe, Colin K.
: APPLICANT: Wood, William I.
: TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE TREATMENT OF TUMOR
: FILE REFERENCE: P2931R1C1
: CURRENT FILING DATE: 2002-08-02
: CURRENT FILING DATE: 2002-08-02
: PRIOR APPLICATION NUMBER: 60/014699
: PRIOR FILING DATE: 1996-04-01
: PRIOR APPLICATION NUMBER: 60/026943
: PRIOR FILING DATE: 1996-09-23
: PRIOR APPLICATION NUMBER: 60/059121
: PRIOR FILING DATE: 1997-07-17
: PRIOR APPLICATION NUMBER: 60/059352
: PRIOR FILING DATE: 1997-09-19
: PRIOR APPLICATION NUMBER: 60/062037

```

PRIORITY FILLING DATE: 1997-10-10
PRIORITY APPLICATION NUMBER: 60/063755
PRIORITY FILLING DATE: 1997-10-17
PRIORITY APPLICATION NUMBER: 60/063045
PRIORITY FILLING DATE: 1997-10-24
PRIORITY APPLICATION NUMBER: 60/063046
PRIORITY FILLING DATE: 1997-10-24
PRIORITY APPLICATION NUMBER: 60/065511
PRIORITY FILLING DATE: 1997-11-24
PRIORITY APPLICATION NUMBER: 60/066772
PRIORITY FILLING DATE: 1997-11-24
Remaining prior application data removed - See File Wrapper or PAM.
NUMBER OF SEQ ID NOS: 258
SEQ ID NO 27
LENGTH: 569
TYPE: DNA
ORGANISM: Homo sapiens
14 %: Score 78; DB 12; Length 569;

```

US-10-210-951-2/1	14.2%;	Score 78;	DB 12;	Length 569;		
Query Match	Similarity 100.0%;	Pred. No. 1.9e-08;	Indels 0;	Gaps 0		
Best Local	Similarity 100.0%;	Pred. No. 1.9e-08;	Indels 0;	Gaps 0		
Matches	78;	Conservative 0;	Mismatches 0;			
474	GCAGAGCCGGGTATGAGAGCTCGTGCCTTGCCGGGGACGCGCAGATTCCCGGCC					533
	1	GCAGAGCCGGGTATGAGAGCTCGTGCCTTGCCGGGGACGCGCAGATTCCCGGCC				60
DB						
474	GCAGAGCCGGGTATGAGAGCTCGTGCCTTGCCGGGGACGCGCAGATTCCCGGCC					531
DB						
534	GCAGAGCCGGGTATGAGAGCTCGTGCCTTGCCGGGGACGCGCAGATTCCCGGCC					78
DB						
61	GCAGAGCCGGGTATGAGAGCTCGTGCCTTGCCGGGGACGCGCAGATTCCCGGCC					78

RES-09-989-722-407
US-09-989-722-407, Application us/09989722
Sequence 407, Application us/09989722
Patent No. US20020072067A1
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi J.
APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Fong, Sherman
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerlitsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Kijavlin, Ivar J.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paonli, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Timothy A. Stewart
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
Acids Encoding the Same
FILE REFERENCE: P2730P1C63
CURRENT APPLICATION NUMBER: us/09/989,722
CURRENT FILING DATE: 2001-11-19
PRIORITY APPLICATION NUMBER: 60/049787
PRIORITY FILING DATE: 1997-06-16
PRIORITY APPLICATION NUMBER: 60/062250
PRIORITY FILING DATE: 1997-10-17
PRIORITY APPLICATION NUMBER: 60/065186
PRIORITY FILING DATE: 1997-11-12
PRIORITY APPLICATION NUMBER: 60/065311

[illegible]

Mon Sep 22 15:31:38 2003

us-10-081-817a-19.rnpb

```

; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091544
; PRIOR FILING DATE: 1998-07-01
; PRIOR APPLICATION NUMBER: 60/091519
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091626
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091633
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091978
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/091982
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09
; PRIOR FILING DATE: 1998-07-09

Query Match 14.2% Score 78: DB 9: Length 570:
Best Local Similarity 100.0% Pred. No. 1.3e+08: Indels 0: Gaps 0:
Matches 78: Conservative 0: Mismatches 0:

OY 474 GCGAGACGGCGGATAGAGAGCCCTGTCGCTTGGCCGGGAGCGGAGTTCCCGCGC 533
    |||||||
Db 1 GCGAGACGGCGGATAGAGAGCCCTGTCGCTTGGCCGGGAGCGGAGTTCCCGCGC 60

OY 534 GCGCGAGCGCGCGCGCGC 551
    |||||||
Db 61 GCGCGAGCGCGCGCGCGC 78

RESULT 7
US-09-989-723-407 Application US/09989723
; Sequence 407
; Patent No. US20020072092A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnovers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerltsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Guiney, Austin L.
; APPLICANT: Kijavlin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paonli, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tunas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2730PIC62
; CURRENT APPLICATION NUMBER: US/09/989,723
; PRIOR FILING DATE: 2001-11-13
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/065186
; PRIOR FILING DATE: 1997-11-12
; PRIOR APPLICATION NUMBER: 60/065311
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: 60/066770
; PRIOR FILING DATE: 1997-11-24

; PRIOR APPLICATION NUMBER: 60/075945
; PRIOR FILING DATE: 1998-02-25
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/083322
; PRIOR FILING DATE: 1998-04-28
; PRIOR APPLICATION NUMBER: 60/084600
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/087106
; PRIOR FILING DATE: 1998-05-28
; PRIOR APPLICATION NUMBER: 60/087607
; PRIOR FILING DATE: 1998-06-02
; PRIOR APPLICATION NUMBER: 60/087609
; PRIOR FILING DATE: 1998-06-02
; PRIOR APPLICATION NUMBER: 60/087759
; PRIOR FILING DATE: 1998-06-02
; PRIOR APPLICATION NUMBER: 60/087827
; PRIOR FILING DATE: 1998-06-03
; PRIOR APPLICATION NUMBER: 60/088021
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088025
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088026
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088028
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088029
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088030
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088033
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088326
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088167
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088202
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088212
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088217
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088655
; PRIOR FILING DATE: 1998-06-09
; PRIOR APPLICATION NUMBER: 60/088734
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088738
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088742
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088810
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088824
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088826
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088858
; PRIOR FILING DATE: 1998-06-11
; PRIOR APPLICATION NUMBER: 60/088861
; PRIOR FILING DATE: 1998-06-11
; PRIOR APPLICATION NUMBER: 60/088876
; PRIOR FILING DATE: 1998-06-11
; PRIOR APPLICATION NUMBER: 60/089105
; PRIOR FILING DATE: 1998-06-12
; PRIOR APPLICATION NUMBER: 60/089440
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089512
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089514
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089532
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089538
```

Mon Sep 22 15:31:38 2003

us-10-081-817a-19.rnpb

Page 6

PROR FILING DATE: 1998-06-17
PROR APPLICATION NUMBER: 60/089598
PROR FILING DATE: 1998-06-17
PROR APPLICATION NUMBER: 60/089599
PROR FILING DATE: 1998-06-17
PROR APPLICATION NUMBER: 60/089600
PROR FILING DATE: 1998-06-17
PROR APPLICATION NUMBER: 60/089653
PROR FILING DATE: 1998-06-17
PROR APPLICATION NUMBER: 60/089801
PROR FILING DATE: 1998-06-18
PROR APPLICATION NUMBER: 60/089907
PROR FILING DATE: 1998-06-18
PROR APPLICATION NUMBER: 60/089908
PROR FILING DATE: 1998-06-18
PROR APPLICATION NUMBER: 60/089947
PROR FILING DATE: 1998-06-19
PROR APPLICATION NUMBER: 60/089948
PROR FILING DATE: 1998-06-19
PROR APPLICATION NUMBER: 60/089952
PROR FILING DATE: 1998-06-19
PROR APPLICATION NUMBER: 60/090246
PROR FILING DATE: 1998-06-22
PROR APPLICATION NUMBER: 60/090252
PROR FILING DATE: 1998-06-22
PROR APPLICATION NUMBER: 60/090254
PROR FILING DATE: 1998-06-22
PROR APPLICATION NUMBER: 60/090349
PROR FILING DATE: 1998-06-23
PROR APPLICATION NUMBER: 60/090355
PROR FILING DATE: 1998-06-23
PROR APPLICATION NUMBER: 60/090429
PROR FILING DATE: 1998-06-24
PROR APPLICATION NUMBER: 60/090431
PROR FILING DATE: 1998-06-24
PROR APPLICATION NUMBER: 60/090435
PROR FILING DATE: 1998-06-24
PROR APPLICATION NUMBER: 60/090444
PROR FILING DATE: 1998-06-24
PROR APPLICATION NUMBER: 60/090445
PROR FILING DATE: 1998-06-24
PROR APPLICATION NUMBER: 60/090472
PROR FILING DATE: 1998-06-24
PROR APPLICATION NUMBER: 60/090535
PROR FILING DATE: 1998-06-24
PROR APPLICATION NUMBER: 60/090540
PROR FILING DATE: 1998-06-24
PROR APPLICATION NUMBER: 60/090542
PROR FILING DATE: 1998-06-24
PROR APPLICATION NUMBER: 60/090557
PROR FILING DATE: 1998-06-24
PROR APPLICATION NUMBER: 60/090676
PROR FILING DATE: 1998-06-25
PROR APPLICATION NUMBER: 60/090678
PROR FILING DATE: 1998-06-25
PROR APPLICATION NUMBER: 60/090690
PROR FILING DATE: 1998-06-25
PROR APPLICATION NUMBER: 60/090694
PROR FILING DATE: 1998-06-25
PROR APPLICATION NUMBER: 60/090695
PROR FILING DATE: 1998-06-25
PROR APPLICATION NUMBER: 60/090696
PROR FILING DATE: 1998-06-25
PROR APPLICATION NUMBER: 60/090862
PROR FILING DATE: 1998-06-26
PROR APPLICATION NUMBER: 60/090863
PROR FILING DATE: 1998-06-26
PROR APPLICATION NUMBER: 60/091360
PROR FILING DATE: 1998-07-01
PROR APPLICATION NUMBER: 60/091478
PROR FILING DATE: 1998-07-02
PROR APPLICATION NUMBER: 60/091544
PROR FILING DATE: 1998-07-01

PROR APPLICATION NUMBER: 60/091519
PROR FILING DATE: 1998-07-02
PROR APPLICATION NUMBER: 60/091626
PROR FILING DATE: 1998-07-02
PROR APPLICATION NUMBER: 60/091633
PROR FILING DATE: 1998-07-02
PROR APPLICATION NUMBER: 60/091978
PROR FILING DATE: 1998-07-07
PROR APPLICATION NUMBER: 60/091982
PROR FILING DATE: 1998-07-07
PROR APPLICATION NUMBER: 60/092182
PROR FILING DATE: 1998-07-09

Query Match 14.2% Score 78; DB 9; Length 570;
Best Local Similarity 100.0%; Pred. No. 1.9e-08;
Matches 78; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 474 GCGAGACCGCGCTATAGAGCGCTGCGCTGCGGCGAGCGGAGTTCCCCGCC 533
|||||
DB 1 GCGAGACCGCGGATAGAGCGCTGCGCTGCGGCGAGCGGAGTTCCCCGCC 60
|||||

QY 534 GCCCGAGCGCCCGGCC 551
|||||

DB 61 GCCCGAGCGCCCGGCC 78
|||||

RESULT 8
US-09-989-279-407
Sequence 407, Application US/09989279
Patent No. US20020072496A1
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi J.
APPLICANT: Baker, Kevin P.
APPLICANT: Bolstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Fong, Sherman
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerlitsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Guney, Austin L.
APPLICANT: Kiljavin, Ivar J.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
Acids Encoding the Same
FILE REFERENCE: P2730P1C56
CURRENT FILING DATE: 2001-11-19
PROR APPLICATION NUMBER: 60/049787
PROR FILING DATE: 1997-06-16
PROR APPLICATION NUMBER: 60/062250
PROR FILING DATE: 1997-10-17
PROR APPLICATION NUMBER: 60/065186
PROR FILING DATE: 1997-11-12
PROR APPLICATION NUMBER: 60/065311
PROR FILING DATE: 1997-11-13
PROR APPLICATION NUMBER: 60/066770
PROR FILING DATE: 1997-11-24
PROR APPLICATION NUMBER: 60/075945
PROR FILING DATE: 1998-02-25
PROR APPLICATION NUMBER: 60/078910

1	PRIOR FILING DATE: 1998-03-20
2	PRIOR APPLICATION NUMBER: 60/083422
3	PRIOR FILING DATE: 1998-04-28
4	PRIOR APPLICATION NUMBER: 60/084600
5	PRIOR FILING DATE: 1998-05-07
6	PRIOR APPLICATION NUMBER: 60/087106
7	PRIOR FILING DATE: 1998-05-28
8	PRIOR APPLICATION NUMBER: 60/087607
9	PRIOR FILING DATE: 1998-06-02
10	PRIOR APPLICATION NUMBER: 60/087609
11	PRIOR FILING DATE: 1998-06-02
12	PRIOR APPLICATION NUMBER: 60/087759
13	PRIOR FILING DATE: 1998-06-08
14	PRIOR APPLICATION NUMBER: 60/087827
15	PRIOR FILING DATE: 1998-06-03
16	PRIOR APPLICATION NUMBER: 60/088021
17	PRIOR FILING DATE: 1998-06-04
18	PRIOR APPLICATION NUMBER: 60/088025
19	PRIOR FILING DATE: 1998-06-04
20	PRIOR APPLICATION NUMBER: 60/088026
21	PRIOR FILING DATE: 1998-06-04
22	PRIOR APPLICATION NUMBER: 60/088028
23	PRIOR FILING DATE: 1998-06-04
24	PRIOR APPLICATION NUMBER: 60/088029
25	PRIOR FILING DATE: 1998-06-04
26	PRIOR APPLICATION NUMBER: 60/088030
27	PRIOR FILING DATE: 1998-06-04
28	PRIOR APPLICATION NUMBER: 60/088033
29	PRIOR FILING DATE: 1998-06-04
30	PRIOR APPLICATION NUMBER: 60/088326
31	PRIOR FILING DATE: 1998-06-04
32	PRIOR APPLICATION NUMBER: 60/0884167
33	PRIOR FILING DATE: 1998-06-05
34	PRIOR APPLICATION NUMBER: 60/0888202
35	PRIOR FILING DATE: 1998-06-05
36	PRIOR APPLICATION NUMBER: 60/088212
37	PRIOR FILING DATE: 1998-06-05
38	PRIOR APPLICATION NUMBER: 60/088217
39	PRIOR FILING DATE: 1998-06-05
40	PRIOR APPLICATION NUMBER: 60/088655
41	PRIOR FILING DATE: 1998-06-09
42	PRIOR APPLICATION NUMBER: 60/088734
43	PRIOR FILING DATE: 1998-06-10
44	PRIOR APPLICATION NUMBER: 60/088738
45	PRIOR FILING DATE: 1998-06-10
46	PRIOR APPLICATION NUMBER: 60/088742
47	PRIOR FILING DATE: 1998-06-10
48	PRIOR APPLICATION NUMBER: 60/088810
49	PRIOR FILING DATE: 1998-06-10
50	PRIOR APPLICATION NUMBER: 60/088824
51	PRIOR FILING DATE: 1998-06-10
52	PRIOR APPLICATION NUMBER: 60/088826
53	PRIOR FILING DATE: 1998-06-10
54	PRIOR APPLICATION NUMBER: 60/088858
55	PRIOR FILING DATE: 1998-06-11
56	PRIOR APPLICATION NUMBER: 60/088861
57	PRIOR FILING DATE: 1998-06-11
58	PRIOR APPLICATION NUMBER: 60/088876
59	PRIOR FILING DATE: 1998-06-11
60	PRIOR APPLICATION NUMBER: 60/089105
61	PRIOR FILING DATE: 1998-06-11
62	PRIOR APPLICATION NUMBER: 60/089440
63	PRIOR FILING DATE: 1998-06-10
64	PRIOR APPLICATION NUMBER: 60/089512
65	PRIOR FILING DATE: 1998-06-11
66	PRIOR APPLICATION NUMBER: 60/089514
67	PRIOR FILING DATE: 1998-06-11
68	PRIOR APPLICATION NUMBER: 60/089532
69	PRIOR FILING DATE: 1998-06-11
70	PRIOR APPLICATION NUMBER: 60/089538
71	PRIOR FILING DATE: 1998-06-17
72	PRIOR APPLICATION NUMBER: 60/089558
73	PRIOR FILING DATE: 1998-06-17

1	PRIOR APPLICATION NUMBER: 60/089599
2	PRIOR FILING DATE: 1998-06-17
3	PRIOR APPLICATION NUMBER: 60/089600
4	PRIOR FILING DATE: 1998-06-17
5	PRIOR FILING DATE: 1998-06-17
6	PRIOR APPLICATION NUMBER: 60/089653
7	PRIOR FILING DATE: 1998-06-17
8	PRIOR FILING DATE: 1998-06-18
9	PRIOR APPLICATION NUMBER: 60/089801
10	PRIOR FILING DATE: 1998-06-18
11	PRIOR APPLICATION NUMBER: 60/089907
12	PRIOR FILING DATE: 1998-06-18
13	PRIOR APPLICATION NUMBER: 60/089908
14	PRIOR FILING DATE: 1998-06-18
15	PRIOR APPLICATION NUMBER: 60/089947
16	PRIOR FILING DATE: 1998-06-19
17	PRIOR APPLICATION NUMBER: 60/089948
18	PRIOR FILING DATE: 1998-06-19
19	PRIOR APPLICATION NUMBER: 60/089952
20	PRIOR FILING DATE: 1998-06-19
21	PRIOR APPLICATION NUMBER: 60/090246
22	PRIOR FILING DATE: 1998-06-22
23	PRIOR APPLICATION NUMBER: 60/090252
24	PRIOR FILING DATE: 1998-06-22
25	PRIOR APPLICATION NUMBER: 60/090254
26	PRIOR FILING DATE: 1998-06-22
27	PRIOR APPLICATION NUMBER: 60/090349
28	PRIOR FILING DATE: 1998-06-23
29	PRIOR APPLICATION NUMBER: 60/090355
30	PRIOR FILING DATE: 1998-06-23
31	PRIOR APPLICATION NUMBER: 60/090429
32	PRIOR FILING DATE: 1998-06-24
33	PRIOR APPLICATION NUMBER: 60/090431
34	PRIOR FILING DATE: 1998-06-24
35	PRIOR APPLICATION NUMBER: 60/090433
36	PRIOR FILING DATE: 1998-06-24
37	PRIOR APPLICATION NUMBER: 60/090444
38	PRIOR FILING DATE: 1998-06-24
39	PRIOR APPLICATION NUMBER: 60/090445
40	PRIOR FILING DATE: 1998-06-24
41	PRIOR APPLICATION NUMBER: 60/090472
42	PRIOR FILING DATE: 1998-06-24
43	PRIOR APPLICATION NUMBER: 60/090535
44	PRIOR FILING DATE: 1998-06-24
45	PRIOR APPLICATION NUMBER: 60/090540
46	PRIOR FILING DATE: 1998-06-24
47	PRIOR APPLICATION NUMBER: 60/090542
48	PRIOR FILING DATE: 1998-06-24
49	PRIOR APPLICATION NUMBER: 60/090557
50	PRIOR FILING DATE: 1998-06-24
51	PRIOR APPLICATION NUMBER: 60/090676
52	PRIOR FILING DATE: 1998-06-25
53	PRIOR APPLICATION NUMBER: 60/090678
54	PRIOR FILING DATE: 1998-06-25
55	PRIOR APPLICATION NUMBER: 60/090690
56	PRIOR FILING DATE: 1998-06-25
57	PRIOR APPLICATION NUMBER: 60/090694
58	PRIOR FILING DATE: 1998-06-25
59	PRIOR APPLICATION NUMBER: 60/090695
60	PRIOR FILING DATE: 1998-06-25
61	PRIOR APPLICATION NUMBER: 60/090696
62	PRIOR FILING DATE: 1998-06-25
63	PRIOR APPLICATION NUMBER: 60/090862
64	PRIOR FILING DATE: 1998-06-26
65	PRIOR APPLICATION NUMBER: 60/090863
66	PRIOR FILING DATE: 1998-06-26
67	PRIOR APPLICATION NUMBER: 60/091360
68	PRIOR FILING DATE: 1998-07-01
69	PRIOR APPLICATION NUMBER: 60/091478
70	PRIOR FILING DATE: 1998-07-02
71	PRIOR APPLICATION NUMBER: 60/091544
72	PRIOR FILING DATE: 1998-07-02
73	PRIOR APPLICATION NUMBER: 60/091519
74	PRIOR FILING DATE: 1998-07-02
75	PRIOR APPLICATION NUMBER: 60/091628

; PRIOR FILING DATE: 1998-07-02
 ; PRIOR APPLICATION NUMBER: 60/091633
 ; PRIOR FILING DATE: 1998-07-02
 ; PRIOR APPLICATION NUMBER: 60/091978
 ; PRIOR FILING DATE: 1998-07-07
 ; PRIOR APPLICATION NUMBER: 60/091982
 ; PRIOR FILING DATE: 1998-07-07
 ; PRIOR APPLICATION NUMBER: 60/092182
 ; PRIOR FILING DATE: 1998-07-09

Query Match 14.28: Score 78: DB 9: Length 570;
 Best Local Similarity 100.0%; Pred No. 1.9e-08;
 Matches 78: Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 474 GCGAGACCGGTTATAGAGCCTGCTGCTGCGCGGAGCGCGAGTTCCCGCGC 533
 Db 1 GCGAGACCGGTTATAGAGCCTGCTGCTGCGCGGAGCGCGAGTTCCCGCGC 60
 QY 534 GCGCGAGCGCGCGCGC 551
 Db 61 GCGCGAGCGCGCGCGC 78

RESULT 9

US-09-989-727-407
 ; Sequence 407, Application US/09989727
 ; Patent No. US20020072497A1

; GENERAL INFORMATION:
 ; APPLICANT: Ashkenazi, Avi J.
 ; APPLICANT: Baker, Kevin P.
 ; APPLICANT: Bolstein, David
 ; APPLICANT: Desnoyers, Luc
 ; APPLICANT: Eaton, Dan L.
 ; APPLICANT: Ferrara, Napoleone
 ; APPLICANT: Fong, Sherman
 ; APPLICANT: Gerber, Hanspeter
 ; APPLICANT: Gerritsen, Mary E.
 ; APPLICANT: Goddard, Audrey
 ; APPLICANT: Grimaldi, J. Christopher
 ; APPLICANT: Guiney, Austin L.
 ; APPLICANT: Kijavlin, Ivar J.
 ; APPLICANT: Napier, Mary A.
 ; APPLICANT: Pan, James
 ; APPLICANT: Paoni, Nicholas F.
 ; APPLICANT: Roy, Margaret Ann
 ; APPLICANT: Stewart, Timothy A.
 ; APPLICANT: Tumas, Daniel
 ; APPLICANT: Watanabe, Colin K.
 ; APPLICANT: Williams, P. Mickey
 ; APPLICANT: Wood, William I.
 ; APPLICANT: Zhang, Zemin
 ; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
 ; FILE REFERENCE: P2730P1C65
 ; CURRENT FILING DATE: 2001-11-19
 ; PRIOR APPLICATION NUMBER: 60/049787
 ; PRIOR FILING DATE: 1997-06-16
 ; PRIOR APPLICATION NUMBER: 60/062250
 ; PRIOR FILING DATE: 1997-10-17
 ; PRIOR APPLICATION NUMBER: 60/065186
 ; PRIOR FILING DATE: 1997-11-12
 ; PRIOR APPLICATION NUMBER: 60/065311
 ; PRIOR FILING DATE: 1997-11-13
 ; PRIOR APPLICATION NUMBER: 60/066770
 ; PRIOR FILING DATE: 1997-11-24
 ; PRIOR APPLICATION NUMBER: 60/075945
 ; PRIOR FILING DATE: 1998-02-25
 ; PRIOR APPLICATION NUMBER: 60/078910
 ; PRIOR FILING DATE: 1998-03-20
 ; PRIOR APPLICATION NUMBER: 60/083322
 ; PRIOR FILING DATE: 1998-04-28

; PRIOR APPLICATION NUMBER: 60/084600
 ; PRIOR FILING DATE: 1998-05-07
 ; PRIOR APPLICATION NUMBER: 60/087106
 ; PRIOR FILING DATE: 1998-05-28
 ; PRIOR APPLICATION NUMBER: 60/087607
 ; PRIOR FILING DATE: 1998-06-02
 ; PRIOR APPLICATION NUMBER: 60/087609
 ; PRIOR FILING DATE: 1998-06-02
 ; PRIOR APPLICATION NUMBER: 60/087759
 ; PRIOR FILING DATE: 1998-06-02
 ; PRIOR APPLICATION NUMBER: 60/087827
 ; PRIOR FILING DATE: 1998-06-03
 ; PRIOR APPLICATION NUMBER: 60/088021
 ; PRIOR FILING DATE: 1998-06-04
 ; PRIOR APPLICATION NUMBER: 60/088025
 ; PRIOR FILING DATE: 1998-06-04
 ; PRIOR APPLICATION NUMBER: 60/088026
 ; PRIOR FILING DATE: 1998-06-04
 ; PRIOR APPLICATION NUMBER: 60/088028
 ; PRIOR FILING DATE: 1998-06-04
 ; PRIOR APPLICATION NUMBER: 60/088029
 ; PRIOR FILING DATE: 1998-06-04
 ; PRIOR APPLICATION NUMBER: 60/088030
 ; PRIOR FILING DATE: 1998-06-04
 ; PRIOR APPLICATION NUMBER: 60/088033
 ; PRIOR FILING DATE: 1998-06-04
 ; PRIOR APPLICATION NUMBER: 60/088326
 ; PRIOR FILING DATE: 1998-06-04
 ; PRIOR APPLICATION NUMBER: 60/088167
 ; PRIOR FILING DATE: 1998-06-05
 ; PRIOR APPLICATION NUMBER: 60/088202
 ; PRIOR FILING DATE: 1998-06-05
 ; PRIOR APPLICATION NUMBER: 60/088212
 ; PRIOR FILING DATE: 1998-06-05
 ; PRIOR APPLICATION NUMBER: 60/088217
 ; PRIOR FILING DATE: 1998-06-05
 ; PRIOR APPLICATION NUMBER: 60/088655
 ; PRIOR FILING DATE: 1998-06-09
 ; PRIOR APPLICATION NUMBER: 60/088734
 ; PRIOR FILING DATE: 1998-06-10
 ; PRIOR APPLICATION NUMBER: 60/088738
 ; PRIOR FILING DATE: 1998-06-10
 ; PRIOR APPLICATION NUMBER: 60/088742
 ; PRIOR FILING DATE: 1998-06-10
 ; PRIOR APPLICATION NUMBER: 60/088810
 ; PRIOR FILING DATE: 1998-06-10
 ; PRIOR APPLICATION NUMBER: 60/088824
 ; PRIOR FILING DATE: 1998-06-10
 ; PRIOR APPLICATION NUMBER: 60/088826
 ; PRIOR FILING DATE: 1998-06-10
 ; PRIOR APPLICATION NUMBER: 60/088858
 ; PRIOR FILING DATE: 1998-06-11
 ; PRIOR APPLICATION NUMBER: 60/088861
 ; PRIOR FILING DATE: 1998-06-11
 ; PRIOR APPLICATION NUMBER: 60/088876
 ; PRIOR FILING DATE: 1998-06-11
 ; PRIOR APPLICATION NUMBER: 60/089105
 ; PRIOR FILING DATE: 1998-06-12
 ; PRIOR APPLICATION NUMBER: 60/089440
 ; PRIOR FILING DATE: 1998-06-16
 ; PRIOR APPLICATION NUMBER: 60/089512
 ; PRIOR FILING DATE: 1998-06-16
 ; PRIOR APPLICATION NUMBER: 60/089514
 ; PRIOR FILING DATE: 1998-06-16
 ; PRIOR APPLICATION NUMBER: 60/089532
 ; PRIOR FILING DATE: 1998-06-17
 ; PRIOR APPLICATION NUMBER: 60/089538
 ; PRIOR FILING DATE: 1998-06-17
 ; PRIOR APPLICATION NUMBER: 60/089598
 ; PRIOR FILING DATE: 1998-06-17
 ; PRIOR APPLICATION NUMBER: 60/089599
 ; PRIOR FILING DATE: 1998-06-17
 ; PRIOR APPLICATION NUMBER: 60/089600

PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089653
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089801
PRIOR FILING DATE: 1998-06-18
PRIOR APPLICATION NUMBER: 60/089907
PRIOR FILING DATE: 1998-06-18
PRIOR APPLICATION NUMBER: 60/089908
PRIOR FILING DATE: 1998-06-18
PRIOR APPLICATION NUMBER: 60/089947
PRIOR FILING DATE: 1998-06-19
PRIOR APPLICATION NUMBER: 60/089948
PRIOR FILING DATE: 1998-06-19
PRIOR APPLICATION NUMBER: 60/089952
PRIOR FILING DATE: 1998-06-19
PRIOR APPLICATION NUMBER: 60/090246
PRIOR FILING DATE: 1998-06-22
PRIOR APPLICATION NUMBER: 60/090252
PRIOR FILING DATE: 1998-06-22
PRIOR APPLICATION NUMBER: 60/090254
PRIOR FILING DATE: 1998-06-22
PRIOR APPLICATION NUMBER: 60/090349
PRIOR FILING DATE: 1998-06-23
PRIOR APPLICATION NUMBER: 60/090355
PRIOR FILING DATE: 1998-06-23
PRIOR APPLICATION NUMBER: 60/090429
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090431
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090435
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090444
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090445
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090472
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090535
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090540
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090542
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090557
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090676
PRIOR FILING DATE: 1998-06-25
PRIOR APPLICATION NUMBER: 60/090678
PRIOR FILING DATE: 1998-06-25
PRIOR APPLICATION NUMBER: 60/090690
PRIOR FILING DATE: 1998-06-25
PRIOR APPLICATION NUMBER: 60/090694
PRIOR FILING DATE: 1998-06-25
PRIOR APPLICATION NUMBER: 60/090695
PRIOR FILING DATE: 1998-06-25
PRIOR APPLICATION NUMBER: 60/090696
PRIOR FILING DATE: 1998-06-25
PRIOR APPLICATION NUMBER: 60/090862
PRIOR FILING DATE: 1998-06-26
PRIOR APPLICATION NUMBER: 60/090863
PRIOR FILING DATE: 1998-06-26
PRIOR APPLICATION NUMBER: 60/091360
PRIOR FILING DATE: 1998-07-01
PRIOR APPLICATION NUMBER: 60/091544
PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091478
PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091549
PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091626
PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091633
PRIOR FILING DATE: 1998-07-02

PRIOR APPLICATION NUMBER: 60/091978
PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/091982
PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/092182
PRIOR FILING DATE: 1998-07-09

Query Match 14.2%; Score 78; DB 9; Length 570;
Best Local Similarity 100.0%; Pred. No. 1.9e-08; Mismatches 0; Indels 0; Gaps 0;
Matches 78; Conservative

QY 474 GCGAGACCGCGGTATTAAGCTGCGCTTCCCGGACCGCCAGGTTCCCGCC 533
|||||
Db 1 GCGAGACCGCGGTATTAAGAGCTGTGCTTCCCGGACCGCCAGGTTCCCGCC 60
QY 534 GCGCGAGCGCCCGCCGCC 551
|||||
Db 61 GCGCGAGCGCCCGCCGCC 78

RESULT 10
US-09-989-731-407
Sequence 407, Application US/09989731
Patent No. US20020103125A1

GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi J.
APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Fond, Sherman
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerlitsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Kijavlin, Ivar J.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin

TITLE OR INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
Acids Encoding the Same
FILE REFERENCE: P2730P1C70
CURRENT FILING DATE: 2001-11-20
PRIOR FILING DATE: 1997-06-16
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/065186
PRIOR FILING DATE: 1997-11-12
PRIOR APPLICATION NUMBER: 60/065311
PRIOR FILING DATE: 1997-11-13
PRIOR APPLICATION NUMBER: 60/066770
PRIOR FILING DATE: 1997-11-24
PRIOR APPLICATION NUMBER: 60/075945
PRIOR FILING DATE: 1998-02-25
PRIOR APPLICATION NUMBER: 60/078910
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/083322
PRIOR FILING DATE: 1998-04-28
PRIOR APPLICATION NUMBER: 60/084600
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/087106

PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/092182
PRIOR FILING DATE: 1998-07-09

Query Match 14.2%; Score 78; DB 10; Length 570;
Best Local Similarity 100.0%; Pred. No. 1.9e-08;
Matches 78; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 474 GCGAGGACCGCGGTATAGAGCCTGCGCTTGGCCGGGCGAGCCGCGAGTTCCCGCGC 533
|||||
DB 1 GCGAGGACCGCGGTATAGAGCCTGCGCTTGGCCGGGCGAGCCGCGAGTTCCCGCGC 60

QY 534 GCGCGAGCCCGCGCGC 551
|||||

DB 61 GCGCGAGCCCGCGCGC 78

RESULT 11
US-09-989-732-407
Sequence 407 Application US/09989732
Patent No. US200123463A1

GENERAL INFORMATION
APPLICANT: ASKENAZI, Avi J.
APPLICANT: Baker, Kevin P.
APPLICANT: Boutein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Fong, Sherman
APPLICANT: Gerber, Hanspeter
APPLICANT: Gertlisen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Kijavlin, Ivar J.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin

TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
Acids Encoding the Same

FILE REFERENCE: P2730PIC57
CURRENT APPLICATION NUMBER: US/09/989,732
CURRENT FILING DATE: 2001-11-19

PRIOR APPLICATION NUMBER: 60/049787
PRIOR FILING DATE: 1997-06-16
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/065186
PRIOR FILING DATE: 1997-11-12
PRIOR APPLICATION NUMBER: 60/065311
PRIOR FILING DATE: 1997-11-13
PRIOR APPLICATION NUMBER: 60/066770
PRIOR FILING DATE: 1997-11-24
PRIOR APPLICATION NUMBER: 60/075945
PRIOR FILING DATE: 1998-02-25
PRIOR APPLICATION NUMBER: 60/078910
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/083322
PRIOR FILING DATE: 1998-04-28
PRIOR APPLICATION NUMBER: 60/084600
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/087106
PRIOR FILING DATE: 1998-05-28
PRIOR APPLICATION NUMBER: 60/087607
PRIOR FILING DATE: 1998-06-02

PRIOR APPLICATION NUMBER: 60/087609
PRIOR FILING DATE: 1998-06-02
PRIOR APPLICATION NUMBER: 60/087759
PRIOR FILING DATE: 1998-06-02
PRIOR APPLICATION NUMBER: 60/087827
PRIOR FILING DATE: 1998-06-03
PRIOR APPLICATION NUMBER: 60/088021
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088025
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088026
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088028
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088029
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088030
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088033
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088326
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088167
PRIOR FILING DATE: 1998-06-05
PRIOR APPLICATION NUMBER: 60/088202
PRIOR FILING DATE: 1998-06-05
PRIOR APPLICATION NUMBER: 60/088212
PRIOR FILING DATE: 1998-06-05
PRIOR APPLICATION NUMBER: 60/088217
PRIOR FILING DATE: 1998-06-05
PRIOR APPLICATION NUMBER: 60/088655
PRIOR FILING DATE: 1998-06-09
PRIOR APPLICATION NUMBER: 60/088734
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088738
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088742
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088810
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088824
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088826
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088858
PRIOR FILING DATE: 1998-06-11
PRIOR APPLICATION NUMBER: 60/088861
PRIOR FILING DATE: 1998-06-11
PRIOR APPLICATION NUMBER: 60/088876
PRIOR FILING DATE: 1998-06-11
PRIOR APPLICATION NUMBER: 60/089105
PRIOR FILING DATE: 1998-06-12
PRIOR APPLICATION NUMBER: 60/089440
PRIOR FILING DATE: 1998-06-16
PRIOR APPLICATION NUMBER: 60/089512
PRIOR FILING DATE: 1998-06-16
PRIOR APPLICATION NUMBER: 60/089514
PRIOR FILING DATE: 1998-06-16
PRIOR APPLICATION NUMBER: 60/089532
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089538
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089598
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089599
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089600
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089653
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089801
PRIOR FILING DATE: 1998-06-18
PRIOR APPLICATION NUMBER: 60/089907

PRIOR FILING DATE: 1998-06-18
 PRIOR APPLICATION NUMBER: 60/089908
 PRIOR FILING DATE: 1998-06-18
 PRIOR APPLICATION NUMBER: 60/089947
 PRIOR FILING DATE: 1998-06-19
 PRIOR APPLICATION NUMBER: 60/089948
 PRIOR FILING DATE: 1998-06-19
 PRIOR APPLICATION NUMBER: 60/089952
 PRIOR FILING DATE: 1998-06-19
 PRIOR APPLICATION NUMBER: 60/090246
 PRIOR FILING DATE: 1998-06-22
 PRIOR APPLICATION NUMBER: 60/090252
 PRIOR FILING DATE: 1998-06-22
 PRIOR APPLICATION NUMBER: 60/090254
 PRIOR FILING DATE: 1998-06-22
 PRIOR APPLICATION NUMBER: 60/090349
 PRIOR FILING DATE: 1998-06-23
 PRIOR APPLICATION NUMBER: 60/090355
 PRIOR FILING DATE: 1998-06-23
 PRIOR APPLICATION NUMBER: 60/090429
 PRIOR FILING DATE: 1998-06-24
 PRIOR APPLICATION NUMBER: 60/090431
 PRIOR FILING DATE: 1998-06-24
 PRIOR APPLICATION NUMBER: 60/090435
 PRIOR FILING DATE: 1998-06-24
 PRIOR APPLICATION NUMBER: 60/090444
 PRIOR FILING DATE: 1998-06-24
 PRIOR APPLICATION NUMBER: 60/090445
 PRIOR FILING DATE: 1998-06-24
 PRIOR APPLICATION NUMBER: 60/090472
 PRIOR FILING DATE: 1998-06-24
 PRIOR APPLICATION NUMBER: 60/090535
 PRIOR FILING DATE: 1998-06-24
 PRIOR APPLICATION NUMBER: 60/090540
 PRIOR FILING DATE: 1998-06-24
 PRIOR APPLICATION NUMBER: 60/090542
 PRIOR FILING DATE: 1998-06-24
 PRIOR APPLICATION NUMBER: 60/090557
 PRIOR FILING DATE: 1998-06-24
 PRIOR APPLICATION NUMBER: 60/090676
 PRIOR FILING DATE: 1998-06-25
 PRIOR APPLICATION NUMBER: 60/090678
 PRIOR FILING DATE: 1998-06-25
 PRIOR APPLICATION NUMBER: 60/090650
 PRIOR FILING DATE: 1998-06-25
 PRIOR APPLICATION NUMBER: 60/090654
 PRIOR FILING DATE: 1998-06-25
 PRIOR APPLICATION NUMBER: 60/090695
 PRIOR FILING DATE: 1998-06-25
 PRIOR APPLICATION NUMBER: 60/090696
 PRIOR FILING DATE: 1998-06-25
 PRIOR APPLICATION NUMBER: 60/090862
 PRIOR FILING DATE: 1998-06-26
 PRIOR APPLICATION NUMBER: 60/090863
 PRIOR FILING DATE: 1998-06-26
 PRIOR APPLICATION NUMBER: 60/091360
 PRIOR FILING DATE: 1998-07-01
 PRIOR APPLICATION NUMBER: 60/091478
 PRIOR FILING DATE: 1998-07-02
 PRIOR APPLICATION NUMBER: 60/091544
 PRIOR FILING DATE: 1998-07-01
 PRIOR APPLICATION NUMBER: 60/091519
 PRIOR FILING DATE: 1998-07-02
 PRIOR APPLICATION NUMBER: 60/091626
 PRIOR FILING DATE: 1998-07-02
 PRIOR APPLICATION NUMBER: 60/091633
 PRIOR FILING DATE: 1998-07-02
 PRIOR APPLICATION NUMBER: 60/091978
 PRIOR FILING DATE: 1998-07-07
 PRIOR APPLICATION NUMBER: 60/091962
 PRIOR FILING DATE: 1998-07-07
 PRIOR APPLICATION NUMBER: 60/092182
 PRIOR FILING DATE: 1998-07-09

Query Match 14.2%; Score 78; DB 10; Length 570;
 Best Local Similarity 100.0%; Pred. No. 1.9e-08;
 Matches 78; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy	474	GCGAGACCGGGATATAGAGCGCTGCGCCGCGGACCGAGGTTCCCGCGC	533
Db	1	GCGAGACCGGGATATAGAGCGCTGCGCCGCGGACCGAGGTTCCCGCGC	60
Oy	534	GCCCCGAGCCCGCGCC	551
Db	61	GCCCCGAGCCCGCGCC	78

RESULT 12
 US-09-991-073-407
 Sequence 407, Application US/09991073
 Patent No. US20020127576A1
 GENERAL INFORMATION:
 APPLICANT: Ashkenazi, Avi J.
 APPLICANT: Baker, Kevin P.
 APPLICANT: Bolstein, David
 APPLICANT: Desnoyers, Luc
 APPLICANT: Eaton, Dan L.
 APPLICANT: Ferrara, Napoleone
 APPLICANT: Fong, Sherman
 APPLICANT: Gerber, Hanspeter
 APPLICANT: Gerltisen, Mary E.
 APPLICANT: Goddard, Audrey
 APPLICANT: Godowski, Paul J.
 APPLICANT: Grimaldi, J. Christopher
 APPLICANT: Gurney, Austin L.
 APPLICANT: Kijavlin, Ivar J.
 APPLICANT: Napier, Mary A.
 APPLICANT: Pan, James
 APPLICANT: Paoni, Nicholas F.
 APPLICANT: Roy, Margaret Ann
 APPLICANT: Stewart, Timothy A.
 APPLICANT: Tumas, Daniel
 APPLICANT: Watanabe, Colin K.
 APPLICANT: Williams, P. Mickey
 APPLICANT: Wood, William I.
 TITLE OR INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
 FILE REFERENCE: F2730P1C15
 CURRENT FILING DATE: 2001-11-14
 PRIOR APPLICATION NUMBER: US/09/991,073
 PRIOR FILING DATE: 1997-06-16
 PRIOR APPLICATION NUMBER: 60/062250
 PRIOR FILING DATE: 1997-10-17
 PRIOR APPLICATION NUMBER: 60/065186
 PRIOR FILING DATE: 1997-11-12
 PRIOR APPLICATION NUMBER: 60/065311
 PRIOR FILING DATE: 1997-11-13
 PRIOR APPLICATION NUMBER: 60/066770
 PRIOR FILING DATE: 1997-11-24
 PRIOR APPLICATION NUMBER: 60/075945
 PRIOR FILING DATE: 1998-02-25
 PRIOR APPLICATION NUMBER: 60/078910
 PRIOR FILING DATE: 1998-03-20
 PRIOR APPLICATION NUMBER: 60/083322
 PRIOR FILING DATE: 1998-04-28
 PRIOR APPLICATION NUMBER: 60/084600
 PRIOR FILING DATE: 1998-05-07
 PRIOR APPLICATION NUMBER: 60/087106
 PRIOR FILING DATE: 1998-05-28
 PRIOR APPLICATION NUMBER: 60/087607
 PRIOR FILING DATE: 1998-06-02
 PRIOR APPLICATION NUMBER: 60/087609
 PRIOR FILING DATE: 1998-06-02
 PRIOR APPLICATION NUMBER: 60/087759

Query Match	14.28;	Score 78;	DB 10;	Length 570;
Best Local Similarity	100.08;	Pred. No.	1.9e-08;	

Matches	78: Conservative	0: Mismatches	0: Indels	0: Gaps	0:
OY	474 GCGAGACCGGGTATTAAGAACCTCTGTGCGCTTGGCCGGGACCGCCAGCTTCCCGGCC	533			
Db	1 GCGAGACCGGGTATTAAGAACCTCTGTGCGCTTGGCCGGGACCGCCAGCTTCCCGGCC	60			
OY	534 GCCCGGACCGCCCGGCC	551			
Db	61 GCCCGGACCGCCCGGCC	78			
RESULT 13					
US-09-990-442-407					
Sequence 407, Application US/09990442					
Patent No. US20020132252A1					
GENERAL INFORMATION:					
APPLICANT: Ashkenazi, Avi J.					
APPLICANT: Baker, Kevin P.					
APPLICANT: Botstein, David					
APPLICANT: Desnoyers, Luc					
APPLICANT: Eaton, Dan L.					
APPLICANT: Ferrara, Napoleone					
APPLICANT: Fong, Sherman					
APPLICANT: Geider, Hanspeter					
APPLICANT: Gerlisen, Mary E.					
APPLICANT: Goddard, Audrey					
APPLICANT: Godowski, Paul J.					
APPLICANT: Grimaldi, J. Christopher					
APPLICANT: Gurney, Austin L.					
APPLICANT: Kljavin, Ivar J.					
APPLICANT: Napier, Mary A.					
APPLICANT: Pan, James					
APPLICANT: Paoni, Nicholas F.					
APPLICANT: Roy, Margaret Ann					
APPLICANT: Stewart, Timothy A.					
APPLICANT: Tumas, Daniel					
APPLICANT: Watanabe, Colin K.					
APPLICANT: Williams, P. Mickey					
APPLICANT: Wood, William I.					
APPLICANT: Zhang, Zemin					
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic					
FILE REFERENCE: P2730P18					
CURRENT FILING DATE: 2001-11-14					
PRIOR APPLICATION NUMBER: US/09/990,442					
PRIOR FILING DATE: 1997-06-16					
PRIOR APPLICATION NUMBER: 60/062250					
PRIOR FILING DATE: 1997-10-17					
PRIOR APPLICATION NUMBER: 60/065186					
PRIOR FILING DATE: 1997-11-12					
PRIOR APPLICATION NUMBER: 60/065311					
PRIOR FILING DATE: 1997-11-13					
PRIOR APPLICATION NUMBER: 60/066770					
PRIOR FILING DATE: 1997-11-24					
PRIOR APPLICATION NUMBER: 60/075945					
PRIOR FILING DATE: 1998-02-25					
PRIOR APPLICATION NUMBER: 60/078910					
PRIOR FILING DATE: 1998-03-20					
PRIOR APPLICATION NUMBER: 60/083322					
PRIOR FILING DATE: 1998-04-28					
PRIOR APPLICATION NUMBER: 60/084600					
PRIOR FILING DATE: 1998-05-07					
PRIOR APPLICATION NUMBER: 60/087106					
PRIOR FILING DATE: 1998-05-28					
PRIOR APPLICATION NUMBER: 60/087607					
PRIOR FILING DATE: 1998-06-02					
PRIOR APPLICATION NUMBER: 60/087609					
PRIOR FILING DATE: 1998-06-02					
PRIOR APPLICATION NUMBER: 60/087759					
PRIOR FILING DATE: 1998-06-02					
PRIOR APPLICATION NUMBER: 60/087827					
PRIOR FILING DATE: 1998-06-03					
PRIOR APPLICATION NUMBER: 60/088021					
PRIOR FILING DATE: 1998-06-04					
PRIOR APPLICATION NUMBER: 60/088025					
PRIOR FILING DATE: 1998-06-04					
PRIOR APPLICATION NUMBER: 60/088026					
PRIOR FILING DATE: 1998-06-04					
PRIOR APPLICATION NUMBER: 60/088028					
PRIOR FILING DATE: 1998-06-04					
PRIOR APPLICATION NUMBER: 60/088029					
PRIOR FILING DATE: 1998-06-04					
PRIOR APPLICATION NUMBER: 60/088030					
PRIOR FILING DATE: 1998-06-04					
PRIOR APPLICATION NUMBER: 60/088033					
PRIOR FILING DATE: 1998-06-04					
PRIOR APPLICATION NUMBER: 60/088326					
PRIOR FILING DATE: 1998-06-04					
PRIOR APPLICATION NUMBER: 60/088167					
PRIOR FILING DATE: 1998-06-05					
PRIOR APPLICATION NUMBER: 60/088202					
PRIOR FILING DATE: 1998-06-05					
PRIOR APPLICATION NUMBER: 60/088212					
PRIOR FILING DATE: 1998-06-05					
PRIOR APPLICATION NUMBER: 60/088217					
PRIOR FILING DATE: 1998-06-05					
PRIOR APPLICATION NUMBER: 60/088655					
PRIOR FILING DATE: 1998-06-09					
PRIOR APPLICATION NUMBER: 60/088734					
PRIOR FILING DATE: 1998-06-10					
PRIOR APPLICATION NUMBER: 60/088738					
PRIOR FILING DATE: 1998-06-10					
PRIOR APPLICATION NUMBER: 60/088742					
PRIOR FILING DATE: 1998-06-10					
PRIOR APPLICATION NUMBER: 60/088810					
PRIOR FILING DATE: 1998-06-10					
PRIOR APPLICATION NUMBER: 60/088824					
PRIOR FILING DATE: 1998-06-10					
PRIOR APPLICATION NUMBER: 60/088826					
PRIOR FILING DATE: 1998-06-10					
PRIOR APPLICATION NUMBER: 60/088858					
PRIOR FILING DATE: 1998-06-11					
PRIOR APPLICATION NUMBER: 60/088861					
PRIOR FILING DATE: 1998-06-11					
PRIOR APPLICATION NUMBER: 60/088876					
PRIOR FILING DATE: 1998-06-11					
PRIOR APPLICATION NUMBER: 60/089105					
PRIOR FILING DATE: 1998-06-12					
PRIOR APPLICATION NUMBER: 60/089440					
PRIOR FILING DATE: 1998-06-16					
PRIOR APPLICATION NUMBER: 60/089512					
PRIOR FILING DATE: 1998-06-16					
PRIOR APPLICATION NUMBER: 60/089514					
PRIOR FILING DATE: 1998-06-16					
PRIOR APPLICATION NUMBER: 60/089532					
PRIOR FILING DATE: 1998-06-17					
PRIOR APPLICATION NUMBER: 60/089538					
PRIOR FILING DATE: 1998-06-17					
PRIOR APPLICATION NUMBER: 60/089598					
PRIOR FILING DATE: 1998-06-17					
PRIOR APPLICATION NUMBER: 60/089599					
PRIOR FILING DATE: 1998-06-17					
PRIOR APPLICATION NUMBER: 60/089600					
PRIOR FILING DATE: 1998-06-17					
PRIOR APPLICATION NUMBER: 60/089653					
PRIOR FILING DATE: 1998-06-18					
PRIOR APPLICATION NUMBER: 60/089901					
PRIOR FILING DATE: 1998-06-18					
PRIOR APPLICATION NUMBER: 60/089907					
PRIOR FILING DATE: 1998-06-18					
PRIOR APPLICATION NUMBER: 60/089908					
PRIOR FILING DATE: 1998-06-18					
PRIOR APPLICATION NUMBER: 60/089947					
PRIOR FILING DATE: 1998-06-19					
PRIOR APPLICATION NUMBER: 60/089948					

PRIOR FILING DATE: 1998-06-19
PRIOR APPLICATION NUMBER: 60/089952
PRIOR FILING DATE: 1998-06-19
PRIOR APPLICATION NUMBER: 60/090246
PRIOR FILING DATE: 1998-06-22
PRIOR APPLICATION NUMBER: 60/090252
PRIOR FILING DATE: 1998-06-22
PRIOR APPLICATION NUMBER: 60/090254
PRIOR FILING DATE: 1998-06-22
PRIOR APPLICATION NUMBER: 60/090349
PRIOR FILING DATE: 1998-06-23
PRIOR APPLICATION NUMBER: 60/090355
PRIOR FILING DATE: 1998-06-23
PRIOR APPLICATION NUMBER: 60/090429
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090431
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090435
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090444
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090445
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090472
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090535
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090540
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090542
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090557
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090676
PRIOR FILING DATE: 1998-06-25
PRIOR APPLICATION NUMBER: 60/090678
PRIOR FILING DATE: 1998-06-25
PRIOR APPLICATION NUMBER: 60/090690
PRIOR FILING DATE: 1998-06-25
PRIOR APPLICATION NUMBER: 60/090694
PRIOR FILING DATE: 1998-06-25
PRIOR APPLICATION NUMBER: 60/090695
PRIOR FILING DATE: 1998-06-25
PRIOR APPLICATION NUMBER: 60/090696
PRIOR FILING DATE: 1998-06-25
PRIOR APPLICATION NUMBER: 60/090862
PRIOR FILING DATE: 1998-06-26
PRIOR APPLICATION NUMBER: 60/090863
PRIOR FILING DATE: 1998-06-26
PRIOR APPLICATION NUMBER: 60/091360
PRIOR FILING DATE: 1998-07-01
PRIOR APPLICATION NUMBER: 60/091478
PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091544
PRIOR FILING DATE: 1998-07-01
PRIOR APPLICATION NUMBER: 60/091519
PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091626
PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091633
PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/09178
PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/09182
PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/092182
PRIOR FILING DATE: 1998-07-09

Query Match 14.2% Score 78: DB 10: Length 570:
Best Local Similarity 100.0% Pred. No. 1.9e-08:
Matches 78: Conservative 0: Mismatches 0: Indels 0: Gaps 0:

474 GCGAGACCGGATATAGAGCTCTGCGCTTGGCCCGGCGAGCGCGAGTTCCCGCGC 533

Db 1 GCGAGACCGGATATAGAGCTCTGCGCTTGGCCCGGCGAGCGCGAGTTCCCGCGC 60
Gy 534 GCGCGAGCGCGCGCGCGC 551
Db 61 GCGCGAGCGCGCGCGCGC 78

RESULT 14
US-09-991-163-407
Sequence 407, Application US/09991163
Patent No. US20020132253A1
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi J.
APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Fong, Sherman
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gunney, Austin L.
APPLICANT: Kljavin, Ivar J.
APPLICANT: Napier, Mary A.
APPLICANT: Paul, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE OF INVENTION: F2730PLC1
FILE REFERENCE: F2730PLC1
CURRENT APPLICATION NUMBER: US/09/991,163
PRIOR FILING DATE: 2001-11-14
PRIOR APPLICATION NUMBER: 60/049787
PRIOR FILING DATE: 1997-06-16
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/065186
PRIOR FILING DATE: 1997-11-12
PRIOR APPLICATION NUMBER: 60/065311
PRIOR FILING DATE: 1997-11-13
PRIOR APPLICATION NUMBER: 60/066770
PRIOR FILING DATE: 1997-11-24
PRIOR APPLICATION NUMBER: 60/075945
PRIOR FILING DATE: 1998-02-25
PRIOR APPLICATION NUMBER: 60/078910
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/083322
PRIOR FILING DATE: 1998-04-28
PRIOR APPLICATION NUMBER: 60/084600
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/087106
PRIOR FILING DATE: 1998-05-28
PRIOR APPLICATION NUMBER: 60/087607
PRIOR FILING DATE: 1998-06-02
PRIOR APPLICATION NUMBER: 60/087609
PRIOR FILING DATE: 1998-06-02
PRIOR APPLICATION NUMBER: 60/087759
PRIOR FILING DATE: 1998-06-02
PRIOR APPLICATION NUMBER: 60/087827
PRIOR FILING DATE: 1998-06-03
PRIOR APPLICATION NUMBER: 60/088021
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088025

Mon Sep 22 15:31:38 2003

us-10-081-817a-19.inpb

Page 16

;; PRIOR FILING DATE: 1998-06-04
;; PRIOR APPLICATION NUMBER: 60/088026
;; PRIOR FILING DATE: 1998-06-04
;; PRIOR APPLICATION NUMBER: 60/088028
;; PRIOR FILING DATE: 1998-06-04
;; PRIOR APPLICATION NUMBER: 60/088029
;; PRIOR FILING DATE: 1998-06-04
;; PRIOR APPLICATION NUMBER: 60/088030
;; PRIOR FILING DATE: 1998-06-04
;; PRIOR APPLICATION NUMBER: 60/088033
;; PRIOR FILING DATE: 1998-06-04
;; PRIOR APPLICATION NUMBER: 60/088126
;; PRIOR FILING DATE: 1998-06-04
;; PRIOR APPLICATION NUMBER: 60/088167
;; PRIOR FILING DATE: 1998-06-05
;; PRIOR APPLICATION NUMBER: 60/088202
;; PRIOR FILING DATE: 1998-06-05
;; PRIOR APPLICATION NUMBER: 60/088212
;; PRIOR FILING DATE: 1998-06-05
;; PRIOR APPLICATION NUMBER: 60/088217
;; PRIOR FILING DATE: 1998-06-05
;; PRIOR APPLICATION NUMBER: 60/088655
;; PRIOR FILING DATE: 1998-06-09
;; PRIOR APPLICATION NUMBER: 60/088734
;; PRIOR FILING DATE: 1998-06-10
;; PRIOR APPLICATION NUMBER: 60/088738
;; PRIOR FILING DATE: 1998-06-10
;; PRIOR APPLICATION NUMBER: 60/088742
;; PRIOR FILING DATE: 1998-06-10
;; PRIOR APPLICATION NUMBER: 60/088810
;; PRIOR FILING DATE: 1998-06-10
;; PRIOR APPLICATION NUMBER: 60/088824
;; PRIOR FILING DATE: 1998-06-10
;; PRIOR APPLICATION NUMBER: 60/088826
;; PRIOR FILING DATE: 1998-06-10
;; PRIOR APPLICATION NUMBER: 60/088858
;; PRIOR FILING DATE: 1998-06-11
;; PRIOR APPLICATION NUMBER: 60/088861
;; PRIOR FILING DATE: 1998-06-11
;; PRIOR APPLICATION NUMBER: 60/088876
;; PRIOR FILING DATE: 1998-06-11
;; PRIOR APPLICATION NUMBER: 60/089105
;; PRIOR FILING DATE: 1998-06-12
;; PRIOR APPLICATION NUMBER: 60/089440
;; PRIOR FILING DATE: 1998-06-16
;; PRIOR APPLICATION NUMBER: 60/089512
;; PRIOR FILING DATE: 1998-06-16
;; PRIOR APPLICATION NUMBER: 60/089514
;; PRIOR FILING DATE: 1998-06-16
;; PRIOR APPLICATION NUMBER: 60/089532
;; PRIOR FILING DATE: 1998-06-17
;; PRIOR APPLICATION NUMBER: 60/089538
;; PRIOR FILING DATE: 1998-06-17
;; PRIOR APPLICATION NUMBER: 60/089598
;; PRIOR FILING DATE: 1998-06-17
;; PRIOR APPLICATION NUMBER: 60/089599
;; PRIOR FILING DATE: 1998-06-17
;; PRIOR APPLICATION NUMBER: 60/089600
;; PRIOR FILING DATE: 1998-06-17
;; PRIOR APPLICATION NUMBER: 60/089653
;; PRIOR FILING DATE: 1998-06-17
;; PRIOR APPLICATION NUMBER: 60/089801
;; PRIOR FILING DATE: 1998-06-18
;; PRIOR APPLICATION NUMBER: 60/089907
;; PRIOR FILING DATE: 1998-06-18
;; PRIOR APPLICATION NUMBER: 60/089908
;; PRIOR FILING DATE: 1998-06-18
;; PRIOR APPLICATION NUMBER: 60/089947
;; PRIOR FILING DATE: 1998-06-19
;; PRIOR APPLICATION NUMBER: 60/089948
;; PRIOR FILING DATE: 1998-06-19
;; PRIOR APPLICATION NUMBER: 60/089952
;; PRIOR FILING DATE: 1998-06-19

;; PRIOR APPLICATION NUMBER: 60/090246
;; PRIOR FILING DATE: 1998-06-22
;; PRIOR APPLICATION NUMBER: 60/090252
;; PRIOR FILING DATE: 1998-06-22
;; PRIOR APPLICATION NUMBER: 60/090254
;; PRIOR FILING DATE: 1998-06-22
;; PRIOR APPLICATION NUMBER: 60/090349
;; PRIOR FILING DATE: 1998-06-23
;; PRIOR APPLICATION NUMBER: 60/090355
;; PRIOR FILING DATE: 1998-06-23
;; PRIOR APPLICATION NUMBER: 60/090429
;; PRIOR FILING DATE: 1998-06-24
;; PRIOR APPLICATION NUMBER: 60/090431
;; PRIOR FILING DATE: 1998-06-24
;; PRIOR APPLICATION NUMBER: 60/090435
;; PRIOR FILING DATE: 1998-06-24
;; PRIOR APPLICATION NUMBER: 60/090444
;; PRIOR FILING DATE: 1998-06-24
;; PRIOR APPLICATION NUMBER: 60/090445
;; PRIOR FILING DATE: 1998-06-24
;; PRIOR APPLICATION NUMBER: 60/090472
;; PRIOR FILING DATE: 1998-06-24
;; PRIOR APPLICATION NUMBER: 60/090535
;; PRIOR FILING DATE: 1998-06-24
;; PRIOR APPLICATION NUMBER: 60/090540
;; PRIOR FILING DATE: 1998-06-24
;; PRIOR APPLICATION NUMBER: 60/090542
;; PRIOR FILING DATE: 1998-06-24
;; PRIOR APPLICATION NUMBER: 60/090557
;; PRIOR FILING DATE: 1998-06-24
;; PRIOR APPLICATION NUMBER: 60/090676
;; PRIOR FILING DATE: 1998-06-25
;; PRIOR APPLICATION NUMBER: 60/090678
;; PRIOR FILING DATE: 1998-06-25
;; PRIOR APPLICATION NUMBER: 60/090690
;; PRIOR FILING DATE: 1998-06-25
;; PRIOR APPLICATION NUMBER: 60/090694
;; PRIOR FILING DATE: 1998-06-25
;; PRIOR APPLICATION NUMBER: 60/090695
;; PRIOR FILING DATE: 1998-06-25
;; PRIOR APPLICATION NUMBER: 60/090696
;; PRIOR FILING DATE: 1998-06-25
;; PRIOR APPLICATION NUMBER: 60/090862
;; PRIOR FILING DATE: 1998-06-26
;; PRIOR APPLICATION NUMBER: 60/090863
;; PRIOR FILING DATE: 1998-06-26
;; PRIOR APPLICATION NUMBER: 60/091360
;; PRIOR FILING DATE: 1998-07-01
;; PRIOR APPLICATION NUMBER: 60/091478
;; PRIOR FILING DATE: 1998-07-02
;; PRIOR APPLICATION NUMBER: 60/091544
;; PRIOR FILING DATE: 1998-07-01
;; PRIOR APPLICATION NUMBER: 60/091519
;; PRIOR FILING DATE: 1998-07-02
;; PRIOR APPLICATION NUMBER: 60/091626
;; PRIOR FILING DATE: 1998-07-02
;; PRIOR APPLICATION NUMBER: 60/091633
;; PRIOR FILING DATE: 1998-07-02
;; PRIOR APPLICATION NUMBER: 60/091978
;; PRIOR FILING DATE: 1998-07-07
;; PRIOR APPLICATION NUMBER: 60/091982
;; PRIOR FILING DATE: 1998-07-07
;; PRIOR APPLICATION NUMBER: 60/092182
;; PRIOR FILING DATE: 1998-07-09

Query Match 14.2%; Score 78; DB 10; Length 570;
Best Local Similarity 100.0%; Pred. No. 1.9e-08;
Matches 78; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 474 GCAGAGACGGCGTATAGAACCTGTGGCCTTGGCGGAGCGGAGGTTCCTCCGCGC 533
|||||
DB 1 GCAGAGACGGCGTATAGAACCTGTGGCCTTGGCGGAGCGGAGGTTCCTCCGCGC 60

QY 534 GCGCCGAGCCCCCGCC 551
 |||||||
 DB 61 GCGCCGAGCCCCCGCC 78

RESULT 15
 US-09-993-604-407
 / Sequence 407, Application US/09993604
 / Patent No. US200137075A1
 / GENERAL INFORMATION:
 / APPLICANT: Ashkenazi, Avi J.
 / APPLICANT: Baker, Kevin P.
 / APPLICANT: Bostein, David
 / APPLICANT: Desnoyers, Luc
 / APPLICANT: Eaton, Dan L.
 / APPLICANT: Ferrara, Napoleone
 / APPLICANT: Fong, Sherman
 / APPLICANT: Gerber, Hanspeter
 / APPLICANT: Gertschen, Mary E.
 / APPLICANT: Goddard, Audrey
 / APPLICANT: Godowski, Paul J.
 / APPLICANT: Grimaldi, J. Christopher
 / APPLICANT: Gurney, Austin L.
 / APPLICANT: Kljavin, Ivar J.
 / APPLICANT: Napier, Mary A.
 / APPLICANT: Pan, James
 / APPLICANT: Paoni, Nicholas F.
 / APPLICANT: Roy, Margaret Ann
 / APPLICANT: Stewart, Timothy A.
 / APPLICANT: Tumas, Daniel
 / APPLICANT: Watanabe, Colin K.
 / APPLICANT: Williams, P. Mickey
 / APPLICANT: Wood, William I.
 / APPLICANT: Zhang, Zemin
 / TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
 / TIME OF INVENTION: Acids Encoding the Same
 / PREFERENCE: P27301C25
 / CURRENT APPLICATION NUMBER: US/09/993, 604
 / CURRENT FILING DATE: 2001-11-14
 / PRIOR APPLICATION NUMBER: 60/049787
 / PRIOR FILING DATE: 1997-06-16
 / PRIOR APPLICATION NUMBER: 60/062250
 / PRIOR FILING DATE: 1997-10-17
 / PRIOR APPLICATION NUMBER: 60/065186
 / PRIOR FILING DATE: 1997-11-12
 / PRIOR APPLICATION NUMBER: 60/065311
 / PRIOR FILING DATE: 1997-11-13
 / PRIOR APPLICATION NUMBER: 60/066770
 / PRIOR FILING DATE: 1997-11-24
 / PRIOR APPLICATION NUMBER: 60/075945
 / PRIOR FILING DATE: 1998-02-25
 / PRIOR APPLICATION NUMBER: 60/078910
 / PRIOR FILING DATE: 1998-03-20
 / PRIOR APPLICATION NUMBER: 60/083322
 / PRIOR FILING DATE: 1998-04-28
 / PRIOR APPLICATION NUMBER: 60/084600
 / PRIOR FILING DATE: 1998-05-07
 / PRIOR APPLICATION NUMBER: 60/087106
 / PRIOR FILING DATE: 1998-05-28
 / PRIOR APPLICATION NUMBER: 60/087607
 / PRIOR FILING DATE: 1998-06-02
 / PRIOR APPLICATION NUMBER: 60/087609
 / PRIOR FILING DATE: 1998-06-02
 / PRIOR APPLICATION NUMBER: 60/087759
 / PRIOR FILING DATE: 1998-06-02
 / PRIOR APPLICATION NUMBER: 60/087827
 / PRIOR FILING DATE: 1998-06-03
 / PRIOR APPLICATION NUMBER: 60/088021
 / PRIOR FILING DATE: 1998-06-04
 / PRIOR APPLICATION NUMBER: 60/088025
 / PRIOR FILING DATE: 1998-06-04
 / PRIOR APPLICATION NUMBER: 60/088026
 / PRIOR FILING DATE: 1998-06-04

/? PRIOR APPLICATION NUMBER: 60/088028
 / PRIOR FILING DATE: 1998-06-04
 / PRIOR APPLICATION NUMBER: 60/088029
 / PRIOR FILING DATE: 1998-06-04
 / PRIOR APPLICATION NUMBER: 60/088030
 / PRIOR FILING DATE: 1998-06-04
 / PRIOR APPLICATION NUMBER: 60/088033
 / PRIOR FILING DATE: 1998-06-04
 / PRIOR APPLICATION NUMBER: 60/088326
 / PRIOR FILING DATE: 1998-06-04
 / PRIOR APPLICATION NUMBER: 60/088167
 / PRIOR FILING DATE: 1998-06-05
 / PRIOR APPLICATION NUMBER: 60/088202
 / PRIOR FILING DATE: 1998-06-05
 / PRIOR APPLICATION NUMBER: 60/088212
 / PRIOR FILING DATE: 1998-06-05
 / PRIOR APPLICATION NUMBER: 60/088217
 / PRIOR FILING DATE: 1998-06-05
 / PRIOR APPLICATION NUMBER: 60/088655
 / PRIOR FILING DATE: 1998-06-09
 / PRIOR APPLICATION NUMBER: 60/088734
 / PRIOR FILING DATE: 1998-06-10
 / PRIOR APPLICATION NUMBER: 60/088738
 / PRIOR FILING DATE: 1998-06-10
 / PRIOR APPLICATION NUMBER: 60/088742
 / PRIOR FILING DATE: 1998-06-10
 / PRIOR APPLICATION NUMBER: 60/088810
 / PRIOR FILING DATE: 1998-06-10
 / PRIOR APPLICATION NUMBER: 60/088824
 / PRIOR FILING DATE: 1998-06-10
 / PRIOR APPLICATION NUMBER: 60/088826
 / PRIOR FILING DATE: 1998-06-10
 / PRIOR APPLICATION NUMBER: 60/088858
 / PRIOR FILING DATE: 1998-06-11
 / PRIOR APPLICATION NUMBER: 60/088861
 / PRIOR FILING DATE: 1998-06-11
 / PRIOR APPLICATION NUMBER: 60/088876
 / PRIOR FILING DATE: 1998-06-11
 / PRIOR APPLICATION NUMBER: 60/089105
 / PRIOR FILING DATE: 1998-06-12
 / PRIOR APPLICATION NUMBER: 60/089440
 / PRIOR FILING DATE: 1998-06-16
 / PRIOR APPLICATION NUMBER: 60/089512
 / PRIOR FILING DATE: 1998-06-16
 / PRIOR APPLICATION NUMBER: 60/089514
 / PRIOR FILING DATE: 1998-06-16
 / PRIOR APPLICATION NUMBER: 60/089532
 / PRIOR FILING DATE: 1998-06-17
 / PRIOR APPLICATION NUMBER: 60/089538
 / PRIOR FILING DATE: 1998-06-17
 / PRIOR APPLICATION NUMBER: 60/089598
 / PRIOR FILING DATE: 1998-06-17
 / PRIOR APPLICATION NUMBER: 60/089599
 / PRIOR FILING DATE: 1998-06-17
 / PRIOR APPLICATION NUMBER: 60/089600
 / PRIOR FILING DATE: 1998-06-17
 / PRIOR APPLICATION NUMBER: 60/089653
 / PRIOR FILING DATE: 1998-06-17
 / PRIOR APPLICATION NUMBER: 60/089801
 / PRIOR FILING DATE: 1998-06-18
 / PRIOR APPLICATION NUMBER: 60/089907
 / PRIOR FILING DATE: 1998-06-18
 / PRIOR APPLICATION NUMBER: 60/089908
 / PRIOR FILING DATE: 1998-06-18
 / PRIOR APPLICATION NUMBER: 60/089947
 / PRIOR FILING DATE: 1998-06-19
 / PRIOR APPLICATION NUMBER: 60/089948
 / PRIOR FILING DATE: 1998-06-19
 / PRIOR APPLICATION NUMBER: 60/089952
 / PRIOR FILING DATE: 1998-06-19
 / PRIOR APPLICATION NUMBER: 60/090246
 / PRIOR FILING DATE: 1998-06-22
 / PRIOR APPLICATION NUMBER: 60/090252

Mon Sep 22 15:31:38 2003

us-10-081-817a-19.rnpb

Page 18

Search completed: September 20, 2003, 03:21:37
Job time : 220.634 secs

;; PRIOR FILING DATE: 1998-06-22
;; PRIOR APPLICATION NUMBER: 60/090254
;; PRIOR FILING DATE: 1998-06-22
;; PRIOR APPLICATION NUMBER: 60/090349
;; PRIOR FILING DATE: 1998-06-23
;; PRIOR APPLICATION NUMBER: 60/090355
;; PRIOR FILING DATE: 1998-06-23
;; PRIOR APPLICATION NUMBER: 60/090429
;; PRIOR FILING DATE: 1998-06-24
;; PRIOR APPLICATION NUMBER: 60/090431
;; PRIOR FILING DATE: 1998-06-24
;; PRIOR APPLICATION NUMBER: 60/090435
;; PRIOR FILING DATE: 1998-06-24
;; PRIOR APPLICATION NUMBER: 60/090444
;; PRIOR FILING DATE: 1998-06-24
;; PRIOR APPLICATION NUMBER: 60/090445
;; PRIOR FILING DATE: 1998-06-24
;; PRIOR APPLICATION NUMBER: 60/090472
;; PRIOR FILING DATE: 1998-06-24
;; PRIOR APPLICATION NUMBER: 60/090535
;; PRIOR FILING DATE: 1998-06-24
;; PRIOR APPLICATION NUMBER: 60/090540
;; PRIOR FILING DATE: 1998-06-24
;; PRIOR APPLICATION NUMBER: 60/090542
;; PRIOR FILING DATE: 1998-06-24
;; PRIOR APPLICATION NUMBER: 60/090557
;; PRIOR FILING DATE: 1998-06-24
;; PRIOR APPLICATION NUMBER: 60/090676
;; PRIOR FILING DATE: 1998-06-25
;; PRIOR APPLICATION NUMBER: 60/090678
;; PRIOR FILING DATE: 1998-06-25
;; PRIOR APPLICATION NUMBER: 60/090690
;; PRIOR FILING DATE: 1998-06-25
;; PRIOR APPLICATION NUMBER: 60/090694
;; PRIOR FILING DATE: 1998-06-25
;; PRIOR APPLICATION NUMBER: 60/090695
;; PRIOR FILING DATE: 1998-06-25
;; PRIOR APPLICATION NUMBER: 60/090696
;; PRIOR FILING DATE: 1998-06-25
;; PRIOR APPLICATION NUMBER: 60/090862
;; PRIOR FILING DATE: 1998-06-26
;; PRIOR APPLICATION NUMBER: 60/090863
;; PRIOR FILING DATE: 1998-06-26
;; PRIOR APPLICATION NUMBER: 60/091360
;; PRIOR FILING DATE: 1998-07-01
;; PRIOR APPLICATION NUMBER: 60/091478
;; PRIOR FILING DATE: 1998-07-02
;; PRIOR APPLICATION NUMBER: 60/091544
;; PRIOR FILING DATE: 1998-07-01
;; PRIOR APPLICATION NUMBER: 60/091519
;; PRIOR FILING DATE: 1998-07-02
;; PRIOR APPLICATION NUMBER: 60/091626
;; PRIOR FILING DATE: 1998-07-02
;; PRIOR APPLICATION NUMBER: 60/091633
;; PRIOR FILING DATE: 1998-07-02
;; PRIOR APPLICATION NUMBER: 60/091978
;; PRIOR FILING DATE: 1998-07-07
;; PRIOR APPLICATION NUMBER: 60/091982
;; PRIOR FILING DATE: 1998-07-07
;; PRIOR APPLICATION NUMBER: 60/092182
;; PRIOR FILING DATE: 1998-07-09

Query Match 14.2%; Score 78; DB 10; Length 570;
Best Local Similarity 100.0%; Pred. No. 1.9e-08;
Matches 78; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 474 GCGAGACCGGGTATAGAGAGCTGTGGCTGCCGCGGAGCGCGAGTTCCCGCGC 533
DB 1 GCGAGACCGGGTATAGAGAGCTGTGGCTGCCGCGGAGCGCGAGTTCCCGCGC 60
OY 534 GCGCGAGCGCGCGCGC 551
DB 61 GCGCGAGCGCGCGCGC 78

Db	93	ATGAACTCGCGCCCTCTCTGGGGCTCTGCGTGGGCGCTGTCTCTGACATCCGCTGCTGCT	152
Qy	61	TTCTTATGATGGGCTCGGCGCAAGCCTGTGGGCGGACCTGTGCTGGGCTGGAGTGGGCGG	120
Db	153	TTCTTATGATGGGCTCGGCGCAAGCCTGTGGGCGGACCTGTGCTGGGCTGGAGTGGGCGG	212
Qy	121	GAGCGCGGGGCGGAGACCTGTGGCGCAACCCCTCGGCGACCTTCACACCCGCTGAAAGCTCTG	180
Db	213	GAGCGCGGGGCGGAGACCTGTGGCGCAACCCCTCGGCGACCTTCACACCCGCTGAAAGCTCTG	272
Qy	181	CTGAGCAGGCTGGGCTATCCCTGTGAACACCTCATAGAGGCTCTCCAGAACTGTGTGCT	240
Db	273	CTGAGCAGGCTGGGCTATCCCTGTGAACACCTCATAGAGGCTCTCCAGAACTGTGTGCT	332
Qy	241	GACCTGGGCTCCCGAGGCGCTGGGGCGCTGAAGGCCCTGATGAGGCCCTG	300
Db	333	GACCTGGGCTCCCGAGGCGCTGGGGCGCTGAAGGCCCTGATGAGGCCCTG	392
Qy	301	ACAGTGTGTGGC 312	
Db	393	ACAGTGTGTGGC 404	
RESULT 3			
XX	AA229723		
ID	AA229723	standard; DNA: 543 BP.	
XX	AA229723;		
XX	27-MAR-2000	(first entry)	
XX	Human lung specific gene Lng107.		
XX	Lung Specific Gene; LSG: Lng107; human; diagnostic marker;		
KW	prognosticate; lung cancer; diagnosis; ds.		
XX	Homo sapiens.		
OS			
CS			
FT	Key	Location/Qualifiers	
FT	CDS	93..407	
FT		/*tag "a	
FT		/product= "LSG Lng107 protein"	
XX	W09960160-A1.		
FN	25-NOV-1999.		
PD	12-MAY-1999;	99MO-US10344.	
XX	21-MAY-1998;	98US-0086212.	
PR	(DIAD-) DIADEXUS LLC.		
PA	Yang F, Macina RA, Sun Y;		
PI	WPI: 2000-116320/10.		
XX	P-PSDB: AAY44458.		
XX			
PT	A new method for diagnosing, monitoring and staging lung cancer		
XX	Claim 6; Page 36; 40pp; English.		
PS	The present sequence is a lung specific gene (LSG) Lng107 from human		
CC	clone ID 586271. The LSG has high level of tissue specificity for lungs		
CC	and is overexpressed in cancerous tissues. The sequence serves as a		
CC	diagnostic marker for detecting, monitoring, staging and prognosticating		
CC	lung cancer. The diagnosis involves comparing levels of LSG in samples		
CC	obtained from patient and normal control.		
XX	Sequence 543 BP; 89 A; 194 C; 178 G; 82 T; 0 other;		
SO			
Query Match	99.0%;	Score 308.8;	DB 21; Length 543;

	Y	1	ATGAAGCTCGCCGCCCCCTCTGGGCTGTGGGTCGCTGCACGTCCGCTGCTGCT	60
	D	93	ATGAAGCTCGCCGCCCCCTCTGGGCTGTGGGTCGCTGCACGTCCGCTGCTGCT	152
	Y	61	TTCCTTAGTGGGTGCGGCCCAACGCTTGCCAGCTGTGCGCTGCGCTGCGTGAACGCGGGG	120
	D	153	TTCCTTAGTGGGTGCGGCCCAACGCTGTGGCCAGCCTGTCTGCTGCTGGATCGCGGCG	212
	Y	121	GAGCGCGGGGCGCGGACCCCTTGCGCCAACCCTCTGGCACCTCTCAAACCCGCTGAAGCTCCTG	180
	D	213	GAGCGCGGGGCGCGGACCCCTTGCGCCAACCCTCTGGCACCTCTCAAACCCGCTGAAGCTCCTG	272
	Y	181	CTGAGCAGCCTTGGGCATCCCCTGTGAACCATCTCATAGAGGGCTCCAGAAGTGTGTGCT	240
	D	273	CTGAGCAGCCTTGGGCATCCCCTGTGAACCATCTCATAGAGGGCTCCAGAAGTGTGTGCT	332
	Y	241	GAGCTGTGGTCCCGACGCCGTGGGGGCGCTGAAGGCCCTCTGCTGGGGGCGCCCTG	300
	D	333	GAGCTGTGGTCCCGACGCCGTGGGGGCGCTGAAGGCCCTCTGCTGGGGGCGCCCTG	392
	Y	301	ACAAGTGTGGC 312 	
	D	393	ACAAGTGTGGC 404	
	RESULT 4			
	AAV54620			
ID	AAV54620	standard; cDNA; 562 bp.		
XX	AAV54620;			
AC	25-MAR-2003	(updated)		
DT	30-OCT-1998	(first entry)		
DE	LUI05 specific consensus polynucleotide sequence.			
KM	LUI05; lung disease marker; immunoassay; lung disease; cancer;			
OS	blood; plasma; serum; ss.			
XX	Homo sapiens.			
XX	Key	Location/Qualifiers		
FT	CDS	122..436		
FT	/tag= a			
FT	/transl_except= (pos:176..178, aa:Val)			
FT	/product= "Lui05 polypeptide"			
P	NC_083392.6			
P	06-AUG-1998.			
P	30-JAN-1998;	98WO-US01766.		
P	31-JAN-1997;	97US-0791710.		
P	(ABO) ABBOT LAB.			
P	.Billing-medel PA, Cohen M, Colpitts TL, Friedman PN, Gordon J;			
P	Grados EN, Hodges SC, Klass MR, Kraschinsky JD, Robertstrapp L,			
P	Russell JC, Stroepe SD;			
P	WPI: 1998-437479/37.			
P	P-PDB: AAW75868.			
P	New nucleic acid for the lung disease marker Lui05 - polypeptides,			
P	antibodies and genes; used for diagnosis, prevention, treatment of			
P	lung disease, specifically cancer			
P	Claim 11; Fig 1; 123pp; English.			

Sequences shown in AAV54616 to AAV54621 represent LUI05 specific polynucleotide sequences. These are used in the method of the invention for detecting target LUI05 nucleic acid. The method comprises treating a sample with at least one LUI05 specific nucleic acid, or its complement which is at least 50 percent identical to LUI05 is a lung disease marker. Cells transformed with a recombinant expression system that contains LUI05 specific nucleic acid fragments, are used to express recombinant LUI05 polypeptides which are used to raise antibodies. The antibodies are used to detect the LUI05 antigen, and correspondingly this antigen is used to detect specific antibodies, in usual immunoassays. The LUI05 polypeptides and nucleic acid sequences are used for diagnosis, staging, monitoring, prognosis, prevention, treatment and determination of susceptibility to, lung disease specifically cancer. The LUI05 polypeptides are also used to screen for specific binding agents, useful therapeutically. LUI05 is a marker for lung disease (present at high concentration, in altered form or in an unusual body compartment) LUI05 can be detected in blood, plasma or serum in an inexpensive, non-invasive test.

(Updated on 25-MAR-2003 to correct PI field.)

Sequence 562 BP; 82 A; 200 C; 192 G; 86 T; 2 other;

Query Match 99.0%; Score 308.8; DB 19; Length 562;
Best Local Similarity 99.4%; Pred. No. 4.5e-53;
Matches 310; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

1 ATGAAGCTCGCCGCTCTGCGGAGCTGCTGCGCCCTGCTGACCTCGCTGCTGCT 60
122 ATGAAGCTCGCCGCTCTGCGGAGCTGCTGCGCCCTGCTGACCTCGCTGCTGCT 181
61 TTCTTAGTGGCTGCGGCAAGCTGTGTGAGCCAGCTGCTGCTGCTGCTGCTGCT 120
182 TTCTTAGTGGCTGCGGCAAGCTGTGTGAGCCAGCTGCTGCTGCTGCTGCTGCT 241
121 GAGCGCGGCGGCGGAGCCCTGCGGCAAGCCCTGCGGCAAGCCCTGCGGCAAGCCCT 180
242 GAGCGCGGCGGCGGAGCCCTGCGGCAAGCCCTGCGGCAAGCCCTGCGGCAAGCCCT 301
181 CTGAGCAGCCCTGCGGCAAGCCCTGCGGCAAGCCCTGCGGCAAGCCCTGCGGCAAGCCCT 240
302 CTGAGCAGCCCTGCGGCAAGCCCTGCGGCAAGCCCTGCGGCAAGCCCTGCGGCAAGCCCT 361
241 GAGCGGCTGCGGCGGAGCCCTGCGGCAAGCCCTGCGGCAAGCCCTGCGGCAAGCCCT 300
362 GAGCGGCTGCGGCGGAGCCCTGCGGCAAGCCCTGCGGCAAGCCCTGCGGCAAGCCCT 421
301 ACACTGTTGGC 312
422 ACACTGTTGGC 433

RESULT 5
ABK40267 standard; cDNA; 569 BP.

ABK40267;

15-JUL-2002 (first entry)

cDNA encoding human PRO1245 polypeptide.

Human; PRO; benign tumour; malignant tumour; lymphoid malignancy;
Leukaemia; neuronal disorder; stromal disorder; blastocoele disorder;
inflammatory disorder; immune disorder; angiogenic disorder;
gene therapy; cytostatic; neuroprotective; gene; ss.

Homo sapiens.

WO200153486-A1.

26-JUL-2001.

11-FEB-2000; 2000MO-US03565.
08-MAR-1999; 99MO-US05028.
11-MAR-1999; 99MO-123972P.
11-MAY-1999; 99MO-133459P.
02-JUN-1999; 99MO-US12252.
22-JUN-1999; 99MO-140650P.
22-JUN-1999; 99MO-140653P.
20-JUL-1999; 99MO-144758P.
28-JUL-1999; 99MO-145698P.
28-JUL-1999; 99MO-146222P.
17-AUG-1999; 99MO-149395P.
31-AUG-1999; 99MO-151689P.
01-SEP-1999; 99MO-US20111.
15-SEP-1999; 99MO-US21090.
30-NOV-1999; 99MO-US28313.
01-DEC-1999; 99MO-US28301.
01-DEC-1999; 99MO-US28634.
05-JAN-2000; 2000MO-US00219.

(GENT) GENENTECH INC.

Ashkenazi AJ, Goddard A, Godowski PJ, Gurney AL, Hillan KJ;
Masters SA, Pan J, Pitti RM, Roy MA, Smith V, Stone DM;
Watanabe CK, Wood WT;
WPI; 2002-205567/26.

P-PSDB; AA086141.

Thirty five nucleic acids encoding PRO polypeptides, useful for treating benign or malignant tumours, leukaemias and lymphoid malignancies, inflammatory, angiogenic and immunologic disorders -
Claim 50; Fig 27; 302pp; English.

The present invention relates to the isolation of novel human PRO polypeptides and the polynucleotide sequences encoding them. The PRO polypeptides, agonists, antagonists or anti-PRO antibodies are useful for treating benign or malignant tumours (e.g. renal, kidney, bladder, breast, etc), leukaemias and lymphoid malignancies, other disorders such as neuronal, glial, astrocytic, hypothalamic, glandular, macrophagal, stromal and blastocoele disorders, inflammatory, immune and angiogenic disorders. The polynucleotide sequences are also useful in gene therapy. ABK40254-ABK40288 encode for the human PRO polypeptides of the invention.

Sequence 569 BP; 128 A; 190 C; 170 G; 81 T; 0 other;

Query Match 99.0%; Score 308.8; DB 24; Length 569;
Best Local Similarity 99.4%; Pred. No. 4.5e-53;
Matches 310; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

1 ATGAAGCTCGCCGCTCTGCGGAGCTGCTGCGCCCTGCTGACCTCGCTGCTGCT 60
79 ATGAAGCTCGCCGCTCTGCGGAGCTGCTGCGCCCTGCTGACCTCGCTGCTGCTGCT 138
61 TTCTTAGTGGCTGCGGCAAGCTGTGTGAGCCAGCTGCTGCTGCTGCTGCTGCT 120
139 TTCTTAGTGGCTGCGGCAAGCTGTGTGAGCCAGCTGCTGCTGCTGCTGCTGCT 198
121 GAGCGCGGCGGCGGAGCCCTGCGGCAAGCCCTGCGGCAAGCCCTGCGGCAAGCCCT 180
199 GAGCGCGGCGGCGGAGCCCTGCGGCAAGCCCTGCGGCAAGCCCTGCGGCAAGCCCT 258
181 CTGAGCAGCCCTGCGGCAAGCCCTGCGGCAAGCCCTGCGGCAAGCCCTGCGGCAAGCCCT 240
259 CTGAGCAGCCCTGCGGCAAGCCCTGCGGCAAGCCCTGCGGCAAGCCCTGCGGCAAGCCCT 318
241 GAGCGGCTGCGGCGGAGCCCTGCGGCAAGCCCTGCGGCAAGCCCTGCGGCAAGCCCT 300
319 GAGCGGCTGCGGCGGAGCCCTGCGGCAAGCCCTGCGGCAAGCCCTGCGGCAAGCCCT 378
301 ACACTGTTGGC 312

```
DB          |||||
            379 ACAGTGTTCG 390

RESULT 6
AAZ65103
ID          AAZ65103 standard; cDNA; 570 BP.
XX
XX          AAZ65103;
AC
XX          05-APR-2000 (first entry)
DT
XX          Membrane-bound protein PRO1245 encoding cDNA.
DE
XX          Membrane-bound polypeptide; PRO polypeptide; LDL receptor; TIE ligand;
KW          pharmaceutical; receptor immunoadhesin; gene mapping; ss.
XX
XX          Homo sapiens.
OS
XX          WO96308-A2.
PN
XX          09-DEC-1999.
PD
XX          02-JUN-1999; 99WO-US12252.
PF
XX          02-JUN-1998; 98US-0087607.
PR          02-JUN-1998; 98US-0087609.
PR          02-JUN-1998; 98US-0087759.
PR          03-JUN-1998; 98US-0087827.
PR          04-JUN-1998; 98US-0088021.
PR          04-JUN-1998; 98US-0088025.
PR          04-JUN-1998; 98US-0088028.
PR          04-JUN-1998; 98US-0088029.
PR          04-JUN-1998; 98US-0088030.
PR          04-JUN-1998; 98US-0088033.
PR          04-JUN-1998; 98US-0088326.
PR          05-JUN-1998; 98US-0088167.
PR          05-JUN-1998; 98US-0088202.
PR          05-JUN-1998; 98US-0088212.
PR          05-JUN-1998; 98US-0088217.
PR          09-JUN-1998; 98US-0088655.
PR          10-JUN-1998; 98US-0088722.
PR          10-JUN-1998; 98US-0088730.
PR          10-JUN-1998; 98US-0088734.
PR          10-JUN-1998; 98US-0088738.
PR          10-JUN-1998; 98US-0088740.
PR          10-JUN-1998; 98US-0088741.
PR          10-JUN-1998; 98US-0088742.
PR          10-JUN-1998; 98US-0088810.
PR          10-JUN-1998; 98US-0088811.
PR          10-JUN-1998; 98US-0088824.
PR          10-JUN-1998; 98US-0088825.
PR          10-JUN-1998; 98US-0088826.
PR          11-JUN-1998; 98US-0088858.
PR          11-JUN-1998; 98US-0088861.
PR          11-JUN-1998; 98US-0088863.
PR          11-JUN-1998; 98US-0088867.
PR          12-JUN-1998; 98US-0089090.
PR          12-JUN-1998; 98US-0089105.
PR          16-JUN-1998; 98US-0089440.
PR          16-JUN-1998; 98US-0089512.
PR          16-JUN-1998; 98US-0089514.
PR          17-JUN-1998; 98US-0089532.
PR          17-JUN-1998; 98US-0089538.
PR          17-JUN-1998; 98US-0089599.
PR          17-JUN-1998; 98US-0089600.
PR          17-JUN-1998; 98US-0089653.
PR          18-JUN-1998; 98US-0089801.
PR          18-JUN-1998; 98US-0089907.
PR          18-JUN-1998; 98US-0089908.
PR          19-JUN-1998; 98US-0089947.
PR          19-JUN-1998; 98US-0089948.
```

```
PR          19-JUN-1998; 98US-0089952.
PR          22-JUN-1998; 98US-0090246.
PR          22-JUN-1998; 98US-0090252.
PR          23-JUN-1998; 98US-0090254.
PR          23-JUN-1998; 98US-0090349.
PR          24-JUN-1998; 98US-0090355.
PR          24-JUN-1998; 98US-0090429.
PR          24-JUN-1998; 98US-0090431.
PR          24-JUN-1998; 98US-0090435.
PR          24-JUN-1998; 98US-0090444.
PR          24-JUN-1998; 98US-0090445.
PR          24-JUN-1998; 98US-0090461.
PR          24-JUN-1998; 98US-0090472.
PR          24-JUN-1998; 98US-0090535.
PR          24-JUN-1998; 98US-0090538.
PR          24-JUN-1998; 98US-0090540.
PR          25-JUN-1998; 98US-0090557.
PR          25-JUN-1998; 98US-0090676.
PR          25-JUN-1998; 98US-0090678.
PR          25-JUN-1998; 98US-0090688.
PR          25-JUN-1998; 98US-0090690.
PR          25-JUN-1998; 98US-0090691.
PR          25-JUN-1998; 98US-0090694.
PR          26-JUN-1998; 98US-0090696.
PR          26-JUN-1998; 98US-0090862.
PR          26-JUN-1998; 98US-0090863.
PR          01-JUL-1998; 98US-0091358.
PR          01-JUL-1998; 98US-0091360.
PR          02-JUL-1998; 98US-0091544.
PR          02-JUL-1998; 98US-0091478.
PR          02-JUL-1998; 98US-0091486.
PR          02-JUL-1998; 98US-0091519.
PR          02-JUL-1998; 98US-0091626.
PR          02-JUL-1998; 98US-0091628.
PR          02-JUL-1998; 98US-0091633.
PR          02-JUL-1998; 98US-0091646.
PR          07-JUL-1998; 98US-0091673.
PR          07-JUL-1998; 98US-0091982.
PR          09-JUL-1998; 98US-0092182.
PR          10-JUL-1998; 98US-0092472.
PR          20-JUL-1998; 98US-0093339.
PR          30-JUL-1998; 98US-0094651.
PR          04-AUG-1998; 98US-0095282.
PR          04-AUG-1998; 98US-0095286.
PR          04-AUG-1998; 98US-0095302.
PR          04-AUG-1998; 98US-0095307.
PR          04-AUG-1998; 98US-0095318.
PR          04-AUG-1998; 98US-0095322.
PR          10-AUG-1998; 98US-0095918.
PR          10-AUG-1998; 98US-0095928.
PR          10-AUG-1998; 98US-0096011.
PR          11-AUG-1998; 98US-0096145.
PR          11-AUG-1998; 98US-0096146.
PR          12-AUG-1998; 98US-0096329.
PR          17-AUG-1998; 98US-0096757.
PR          17-AUG-1998; 98US-0096766.
PR          17-AUG-1998; 98US-0096768.
PR          17-AUG-1998; 98US-0096773.
PR          17-AUG-1998; 98US-0096791.
PR          17-AUG-1998; 98US-0096867.
PR          17-AUG-1998; 98US-0096891.
PR          17-AUG-1998; 98US-0096894.
PR          17-AUG-1998; 98US-0096895.
PR          18-AUG-1998; 98US-0096949.
PR          18-AUG-1998; 98US-0096950.
PR          18-AUG-1998; 98US-0096956.
PR          18-AUG-1998; 98US-0096960.
PR          19-AUG-1998; 98US-0097022.
PR          19-AUG-1998; 98US-0097141.
```



```

PR 12-JUN-1998; 98US-089105P.
PR 16-JUN-1998; 98US-089440P.
PR 16-JUN-1998; 98US-089512P.
PR 16-JUN-1998; 98US-089514P.
PR 17-JUN-1998; 98US-089532P.
PR 17-JUN-1998; 98US-089538P.
PR 17-JUN-1998; 98US-089598P.
PR 17-JUN-1998; 98US-089599P.
PR 17-JUN-1998; 98US-089600P.
PR 17-JUN-1998; 98US-089653P.
PR 18-JUN-1998; 98US-089801P.
PR 18-JUN-1998; 98US-089807P.
PR 18-JUN-1998; 98US-089808P.
PR 28-AUG-2001; 2001US-0941992.
XX
XX (GENTH ) GENENTECH INC.
XX
XX Ashkenazi AJ, Baker KP, Botstein D, Desnoyers L, Eaton DL,
XX Ferrera N, Fong S, Gerber H, Gerritsen ME, Goddard A, Godowski PJ,
XX Grimaldi JC, Gurney AL, Kijavini IJ, Napier MA, Pan J, Paoni NE,
XX Roy MA, Stewart TA, Tumas D, Watanabe CK, Williams PM, Wood WI,
XX Zhang Z;
XX WPI; 2003-247083/24.
XX P-PSDB; ABUS9174.
XX
XX Novel isolated PRO polypeptides e.g., PRO826, PRO1068, PRO1184, PRO1346
XX and PRO1375, which stimulate proliferation of stimulated T-lymphocytes
XX are therapeutically useful for enhancing immune response and in cancer
XX treatments
XX
XX Claim 2; Fig 291; 648bp; English.
XX
XX The invention describes an isolated human PRO polypeptide. The PRO
XX polypeptides are useful in detecting PRO polypeptides in a sample, in
XX linking a bioactive molecule to a cell expressing a PRO polypeptide, and
XX in modulating at least one biological activity of a cell expressing a PRO
XX polypeptide. PRO1312 stimulates hypertrophy of neonatal heart and is thus
XX useful for treating cardiac insufficiency disorders. PRO1154 and PRO1186
XX stimulate adrenal cortical capillary endothelial growth, and PRO536,
XX PRO943, PRO828, PRO826, PRO1068 or PRO535, PRO826, PRO819, PRO1126,
XX PRO1360, and PRO1387 induce c-fos in endothelial cells, and are thus
XX useful for treating conditions or disorders where angiogenesis would be
XX beneficial, e.g. wound healing and antagonist of this polypeptide are
XX useful for treating cancerous tumours. PRO812 inhibits vascular
XX endothelial growth factor (VEGF) stimulated proliferation of endothelial
XX cells and is thus useful for inhibiting tumour growth. PRO826,
XX PRO1068, PRO1184, PRO1346 and PRO1375 stimulate proliferation of
XX stimulated T-lymphocytes and are therapeutically useful for enhancing
XX immune response. PRO828, PRO1068 or PRO1132 enhance survival of
XX retinal neurons cells and are thus useful for treating retinal
XX disorders of injuries, e.g. retinitis pigmentosa, AMD. PRO819, PRO813
XX and PRO1066 induce proliferation of mammalian kidney mesangial cells,
XX and therefore are useful for treating kidney disorders associated with
XX decreased mesangial cell function such as Berger disease or Crohn's
XX nephropathies associated with dermatitis, herpeticiformis or Crohn's
XX disease. PRO1310, PRO844, PRO1312, PRO1192 and PRO1387 induce the
XX proliferation and/or redifferentiation of chondrocytes in culture and
XX are thus useful for treating sports injuries, and arthritis. This
XX sequence represents a novel human PRO protein polynucleotide.
XX
XX Sequence 570 BP; 129 A; 190 C; 170 G; 81 T; 0 other:
XX
XX Query Match 99.0%; Score 308.8; DB 25; Length 570;
XX Best Local Similarity 99.4%; Pred. NO. 4.5e-53;
XX Matches 310; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
XX
OY 1 ATGAAGCTGCGCCCTCTCTGCTGCGTGGCGCCCTGTCTGCGAGCTCCGCTGCT 60
DB 79 ATGAAGCTGCGCCCTCTCTGCTGCGTGGCGCCCTGTCTGCGAGCTCCGCTGCT 138

```

PR 22-MAY-2000; 2000MO-US14042.
PR 30-MAY-2000; 2000MO-US14941.
PR 02-JUN-2000; 2000MO-US15264.
PR 28-JUL-2000; 2000MO-US20710.
PR 11-AUG-2000; 2000MO-US23031.
PR 23-AUG-2000; 2000MO-US23522.
PR 24-AUG-2000; 2000MO-US23325.
PR 08-NOV-2000; 2000MO-US30952.
PR 01-DEC-2000; 2000MO-US32678.
PR 28-FEB-2001; 2001MO-US06520.
PR 01-JUN-2001; 2001MO-US17800.
PR 20-JUN-2001; 2001MO-US19692.
PR 29-JUN-2001; 2001MO-US21066.
PR 09-JUL-2001; 2001MO-US21735.
PR 16-JUN-1997; 97US-049787P.
PR 17-OCT-1997; 97US-062250P.
PR 12-NOV-1997; 97US-065186P.
PR 13-NOV-1997; 97US-065311P.
PR 24-NOV-1997; 97US-066770P.
PR 25-FEB-1998; 98US-075945P.
PR 20-MAR-1998; 98US-078910P.
PR 28-APR-1998; 98US-083322P.
PR 07-MAY-1998; 98US-084600P.
PR 28-MAY-1998; 98US-087106P.
PR 02-JUN-1998; 98US-087607P.
PR 02-JUN-1998; 98US-087609P.
PR 03-JUN-1998; 98US-087759P.
PR 04-JUN-1998; 98US-088021P.
PR 04-JUN-1998; 98US-088025P.
PR 04-JUN-1998; 98US-088026P.
PR 04-JUN-1998; 98US-088028P.
PR 04-JUN-1998; 98US-088029P.
PR 04-JUN-1998; 98US-088030P.
PR 04-JUN-1998; 98US-088033P.
PR 05-JUN-1998; 98US-088326P.
PR 05-JUN-1998; 98US-088327P.
PR 05-JUN-1998; 98US-088361P.
PR 05-JUN-1998; 98US-088422P.
PR 03-JUN-1998; 98US-088412P.
PR 03-JUN-1998; 98US-088555P.
PR 09-JUN-1998; 98US-088653P.
PR 10-JUN-1998; 98US-088734P.
PR 10-JUN-1998; 98US-088738P.
PR 10-JUN-1998; 98US-088810P.
PR 10-JUN-1998; 98US-088812P.
PR 10-JUN-1998; 98US-088824P.
PR 10-JUN-1998; 98US-088826P.
PR 11-JUN-1998; 98US-088858P.
PR 11-JUN-1998; 98US-088861P.
PR 11-JUN-1998; 98US-088876P.
PR 12-JUN-1998; 98US-089105P.
PR 16-JUN-1998; 98US-089440P.
PR 16-JUN-1998; 98US-089512P.
PR 16-JUN-1998; 98US-089514P.
PR 17-JUN-1998; 98US-089532P.
PR 17-JUN-1998; 98US-089538P.
PR 17-JUN-1998; 98US-089598P.
PR 17-JUN-1998; 98US-089599P.
PR 17-JUN-1998; 98US-089600P.
PR 17-JUN-1998; 98US-089603P.
PR 18-JUN-1998; 98US-089601P.
PR 18-JUN-1998; 98US-089607P.
PR 18-JUN-1998; 98US-089608P.
PR 18-JUN-1998; 98US-089611P.
PR 18-JUN-1998; 98US-089612P.
PR 19-JUN-1998; 98US-089617P.
PR 19-JUN-1998; 98US-089648P.
PR 19-JUN-1998; 98US-089652P.
PR 22-JUN-1998; 98US-090246P.
PR 22-JUN-1998; 98US-090252P.
PR 22-JUN-1998; 98US-090254P.
PR 23-JUN-1998; 98US-090349P.
PR 23-JUN-1998; 98US-090355P.
PR 24-JUN-1998; 98US-090429P.
PR 24-JUN-1998; 98US-090431P.

PR 24-JUN-1998; 98US-090435P.
PR 24-JUN-1998; 98US-090444P.
PR 24-JUN-1998; 98US-090445P.
PR 24-JUN-1998; 98US-090472P.
PR 24-JUN-1998; 98US-090535P.
PR 24-JUN-1998; 98US-090540P.
PR 24-JUN-1998; 98US-090542P.
PR 24-JUN-1998; 98US-090576P.
PR 25-JUN-1998; 98US-090577P.
PR 25-JUN-1998; 98US-090678P.
PR 25-JUN-1998; 98US-090690P.
PR 25-JUN-1998; 98US-090694P.
PR 25-JUN-1998; 98US-090695P.
PR 25-JUN-1998; 98US-090696P.
PR 26-JUN-1998; 98US-090862P.
PR 26-JUN-1998; 98US-090863P.
PR 01-JUL-1998; 98US-091360P.
PR 02-JUL-1998; 98US-091478P.
PR 02-JUL-1998; 98US-091519P.
PR 02-JUL-1998; 98US-091526P.
PR 02-JUL-1998; 98US-091628P.
PR 02-JUL-1998; 98US-091633P.
PR 02-JUL-1998; 98US-091637P.
PR 02-JUL-1998; 98US-091673P.
PR 07-JUL-1998; 98US-091982P.
PR 07-JUL-1998; 98US-091982P.
PR 09-JUL-1998; 98US-092182P.
PR 10-JUL-1998; 98US-092472P.
PR 30-JUL-1998; 98US-093339P.
PR 04-AUG-1998; 98US-094651P.
PR 04-AUG-1998; 98US-095282P.
PR 04-AUG-1998; 98US-095285P.
PR 04-AUG-1998; 98US-095301P.
PR 04-AUG-1998; 98US-095302P.
PR 04-AUG-1998; 98US-095318P.
PR 04-AUG-1998; 98US-095321P.
PR 04-AUG-1998; 98US-095325P.
PR 10-AUG-1998; 98US-095916P.
PR 10-AUG-1998; 98US-095929P.
PR 10-AUG-1998; 98US-096012P.
PR 11-AUG-1998; 98US-096143P.
PR 11-AUG-1998; 98US-096146P.
PR 12-AUG-1998; 98US-096529P.
PR 17-AUG-1998; 98US-096757P.
PR 17-AUG-1998; 98US-096766P.
PR 17-AUG-1998; 98US-096768P.
PR 17-AUG-1998; 98US-096773P.
PR 17-AUG-1998; 98US-096791P.
PR 17-AUG-1998; 98US-096891P.
PR 17-AUG-1998; 98US-096894P.
PR 17-AUG-1998; 98US-096895P.
PR 17-AUG-1998; 98US-096897P.
PR 18-AUG-1998; 98US-096949P.
PR 18-AUG-1998; 98US-096950P.
PR 18-AUG-1998; 98US-096959P.
PR 18-AUG-1998; 98US-097022P.
PR 18-AUG-1998; 98US-097141P.
PR 20-AUG-1998; 98US-097218P.
PR 24-AUG-1998; 98US-097612P.
PR 26-AUG-1998; 98US-097652P.
PR 26-AUG-1998; 98US-097854P.
PR 26-AUG-1998; 98US-097855P.
PR 26-AUG-1998; 98US-097971P.
PR 26-AUG-1998; 98US-097977P.
PR 26-AUG-1998; 98US-097978P.
PR 26-AUG-1998; 98US-097979P.
PR 26-AUG-1998; 98US-097986P.
PR 26-AUG-1998; 98US-098014P.
PR 31-AUG-1998; 98US-098525P.
PR 16-SEP-1998; 98US-100634P.

PR 17-SEP-1998; 98US-100858P.
PR 22-DEC-1998; 98US-113296P.
PR 12-MAR-1999; 99US-123957P.
PR 23-JUN-1999; 99US-141037P.

Query Match 99.0%; Score 308.8; DB 25; Length 570;
Best Local Similarity 99.4%; Pred No. 4.5e-53;
Matches 310; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 ATGAAGCTGCGCCCTCTCTGAGGCTGCTGCGCCCTGCTGCGACCTCCCTGCTGCT 60
DB 79 ATGAAGCTGCGCCCTCTCTGAGGCTGCTGCGCCCTGCTGCGACCTCCCTGCTGCT 138
QY 61 TTCTTAGTGAGGCTGCGCCCAAGCTGTGGCCCAAGCTGTGCTGCTGCTGAGTGGGCGG 120
DB 139 TTCTTAGTGAGGCTGCGCCCAAGCTGTGGCCCAAGCTGTGCTGCTGAGTGGGCGG 198
QY 121 GAGGCGGCGGCGGCGGACCTGCGCAACCCCTTGGGACCTGCAACCCGCTGAAGCTCTG 180
DB 199 GAGGCGGCGGCGGCGGACCTGCGCAACCCCTTGGGACCTGCAACCCGCTGAGCTCTG 258
QY 181 CTGAGCAGCCTGCGGCTGCGCCCTGTAACCACTCATAGAGGCTCCCAAGAAGTGTGGCT 240
DB 259 CTGAGCAGCCTGCGGCTGCGCCCTGTAACCACTCATAGAGGCTCCCAAGAAGTGTGGCT 318
QY 241 GAGCTGGTGTCCCGAGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCTG 300
DB 319 GAGCTGGTGTCCCGAGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCTG 378
QY 301 ACAGTGTGGTGGC 312
DB 379 ACAGTGTGGTGGC 390

RESULT 10

ABX81273
ID ABX81273 standard; DNA; 570 BP.

AC ABX81273;

DX 22-APR-2003 (first entry)

DE Novel human secreted or transmembrane protein PRO1358 DNA.

KX Human; PRO; hypertrophy of neonatal heart; angiogenesis; wound healing;
KW cardiac insufficiency disorder; cancer; tumour; immune response;
KW adrenal cortical capillary endothelial growth; c-Fos induction;
KW vascular endothelial growth factor inhibition; VEGF inhibition;
KW endothelial cell growth inhibitor; T-lymphocytes stimulation;
KW retinal neurons cell survival; rod photoreceptor cell survival;
KW retinal disorder; retinitis pigmentosa; kidney disorder;
KW mammalian kidney mesangial cell proliferation; Berger disease;
KW dermatitis; herpeticiformis; Crohn's disease; chondrocyte proliferation;
KW chondrocyte redifferentiation; sports injury; arthritis; gene; ds.

OS Homo sapiens.

XX US2003027985-A1.

XX 06-FEB-2003.

XX 14-NOV-2001; 2001US-0990562.

XX 05-NOV-1997; 97WO-US20069.
PR 16-SEP-1998; 98WO-US19330.
PR 17-SEP-1998; 98WO-US19437.
PR 07-OCT-1998; 98WO-US21141.
PR 01-DEC-1998; 98WO-US25108.
PR 05-JAN-1999; 99WO-US00106.
PR 08-MAR-1999; 99WO-US05028.
PR 02-JUN-1999; 99WO-US12252.
PR 15-SEP-1999; 99WO-US21090.
PR 15-SEP-1999; 99WO-US21547.

PR 30-NOV-1999; 99WO-US28313.
PR 01-DEC-1999; 99WO-US28301.
PR 16-DEC-1999; 99WO-US28634.
PR 20-DEC-1999; 99WO-US30095.
PR 05-JAN-2000; 2000WO-US00219.
PR 06-JAN-2000; 2000WO-US00376.
PR 11-FEB-2000; 2000WO-US03565.
PR 18-FEB-2000; 2000WO-US04341.
PR 22-FEB-2000; 2000WO-US04414.
PR 24-FEB-2000; 2000WO-US04914.
PR 24-FEB-2000; 2000WO-US05004.
PR 02-MAR-2000; 2000WO-US05841.
PR 10-MAR-2000; 2000WO-US06319.
PR 15-MAR-2000; 2000WO-US06884.
PR 30-MAR-2000; 2000WO-US07377.
PR 15-MAY-2000; 2000WO-US08439.
PR 17-MAY-2000; 2000WO-US13358.
PR 22-MAY-2000; 2000WO-US14042.
PR 30-MAY-2000; 2000WO-US14941.
PR 02-JUN-2000; 2000WO-US15264.
PR 28-JUL-2000; 2000WO-US20710.
PR 11-AUG-2000; 2000WO-US22031.
PR 23-AUG-2000; 2000WO-US23522.
PR 24-AUG-2000; 2000WO-US23522.
PR 08-NOV-2000; 2000WO-US30952.
PR 01-DEC-2000; 2000WO-US32678.
PR 28-FEB-2001; 2001WO-US06520.
PR 01-JUN-2001; 2001WO-US17800.
PR 20-JUN-2001; 2001WO-US19692.
PR 29-JUN-2001; 2001WO-US21066.
PR 09-JUL-2001; 2001WO-US21735.
PR 16-JUN-1997; 97US-049787P.
PR 17-OCT-1997; 97US-062250P.
PR 12-NOV-1997; 97US-065186P.
PR 13-NOV-1997; 97US-065311P.
PR 24-NOV-1997; 97US-066770P.
PR 25-FEB-1998; 98US-075945P.
PR 20-MAR-1998; 98US-078910P.
PR 28-APR-1998; 98US-083322P.
PR 07-MAY-1998; 98US-084600P.
PR 28-MAY-1998; 98US-087106P.
PR 02-JUN-1998; 98US-087607P.
PR 02-JUN-1998; 98US-087609P.
PR 03-JUN-1998; 98US-087827P.
PR 04-JUN-1998; 98US-088021P.
PR 04-JUN-1998; 98US-088025P.
PR 04-JUN-1998; 98US-088028P.
PR 04-JUN-1998; 98US-088029P.
PR 04-JUN-1998; 98US-088030P.
PR 04-JUN-1998; 98US-088033P.
PR 04-JUN-1998; 98US-088167P.
PR 05-JUN-1998; 98US-088167P.
PR 05-JUN-1998; 98US-088202P.
PR 05-JUN-1998; 98US-088212P.
PR 05-JUN-1998; 98US-088217P.
PR 09-JUN-1998; 98US-088655P.
PR 10-JUN-1998; 98US-088738P.
PR 10-JUN-1998; 98US-088742P.
PR 10-JUN-1998; 98US-088810P.
PR 10-JUN-1998; 98US-088812P.
PR 10-JUN-1998; 98US-088824P.
PR 10-JUN-1998; 98US-088826P.
PR 11-JUN-1998; 98US-088858P.
PR 11-JUN-1998; 98US-088861P.
PR 12-JUN-1998; 98US-088876P.
PR 12-JUN-1998; 98US-089105P.
PR 16-JUN-1998; 98US-089440P.
PR 16-JUN-1998; 98US-089512P.
PR 16-JUN-1998; 98US-089514P.

PR	08-MAR-1999	99M0-U0501010
PR	08-MAR-1999	99M0-U0501028
PR	02-JUN-1999	99M0-U0512252
PR	15-SEP-1999	99M0-U0511290
PR	15-SEP-1999	99M0-U0511547
PR	30-NOV-1999	99M0-U0528313
PR	01-DEC-1999	99M0-U0528301
PR	01-DEC-1999	99M0-U0528654
PR	16-DEC-1999	99M0-U0530915
PR	20-DEC-1999	99M0-U0530911
PR	05-JAN-2000	2000M0-U0500376
PR	06-JAN-2000	2000M0-U05003219
PR	11-FEB-2000	2000M0-U0503665
PR	18-FEB-2000	2000M0-U0504341
PR	22-FEB-2000	2000M0-U0504414
PR	24-FEB-2000	2000M0-U0504514
PR	24-FEB-2000	2000M0-U0504504
PR	02-MAR-2000	2000M0-U0505841
PR	10-MAR-2000	2000M0-U0506319
PR	15-MAR-2000	2000M0-U0507687
PR	20-MAR-2000	2000M0-U0507384
PR	15-MAR-2000	2000M0-U0508439
PR	15-MAR-2000	2000M0-U0513358
PR	17-MAY-2000	2000M0-U0513705
PR	22-MAY-2000	2000M0-U0514042
PR	30-MAY-2000	2000M0-U0514941
PR	02-JUN-2000	2000M0-U0515564
PR	28-JUN-2000	2000M0-U0510710
PR	11-AUG-2000	2000M0-U05202031
PR	23-AUG-2000	2000M0-U0523352
PR	24-AUG-2000	2000M0-U0533328
PR	08-NOV-2000	2000M0-U0530952
PR	01-DEC-2000	2000M0-U0509520
PR	28-FEB-2001	2001M0-U0506560
PR	01-JUN-2001	2001M0-U0517800
PR	20-JUN-2001	2001M0-U0519662
PR	29-JUN-2001	2001M0-U0521069
PR	09-JUL-2001	2001M0-U0521066
PR	16-JUN-1997	97M0-U0521735
PR	17-OCT-1997	97M0-U0622500
PR	12-NOV-1997	97M0-U0658166
PR	24-NOV-1997	97M0-U0653110
PR	25-FEB-1998	97M0-U0759450
PR	20-MAR-1998	98M0-U0789109
PR	07-MAY-1998	98M0-U0833220
PR	28-MAY-1998	98M0-U0846000
PR	02-JUN-1998	98M0-U0841060
PR	02-JUN-1998	98M0-U0846090
PR	02-JUN-1998	98M0-U0847250
PR	04-JUN-1998	98M0-U0880210
PR	04-JUN-1998	98M0-U0880250
PR	04-JUN-1998	98M0-U0880280
PR	04-JUN-1998	98M0-U0880286
PR	04-JUN-1998	98M0-U0880300
PR	04-JUN-1998	98M0-U0880330
PR	05-JUN-1998	98M0-U0883630
PR	05-JUN-1998	98M0-U0881670
PR	05-JUN-1998	98M0-U0882020
PR	05-JUN-1998	98M0-U0882120
PR	05-JUN-1998	98M0-U0882127
PR	05-JUN-1998	98M0-U0882198
PR	09-JUN-1998	98M0-U0885540
PR	10-JUN-1998	98M0-U0887340
PR	10-JUN-1998	98M0-U0888740
PR	10-JUN-1998	98M0-U0888748
PR	10-JUN-1998	98M0-U0888820
PR	10-JUN-1998	98M0-U0888240
PR	11-JUN-1998	98M0-U0888260
PR	11-JUN-1998	98M0-U0888560
PR	11-JUN-1998	98M0-U0888610

PR	11-JUN-1998;	98US-088876P.
PR	12-JUN-1998;	98US-089105P.
PR	16-JUN-1998;	98US-089440P.
PR	16-JUN-1998;	98US-089512P.
PR	17-JUN-1998;	98US-089514P.
PR	17-JUN-1998;	98US-089532P.
PR	17-JUN-1998;	98US-089538P.
PR	17-JUN-1998;	98US-089598P.
PR	17-JUN-1998;	98US-089599P.
PR	17-JUN-1998;	98US-089600P.
PR	17-JUN-1998;	98US-089653P.
PR	18-JUN-1998;	98US-089801P.
PR	18-JUN-1998;	98US-089907P.
PR	18-JUN-1998;	98US-089908P.
PR	28-AUG-2001;	2001US-094199Z.
XX	(GERTH) GENENTECH INC.	
XX		
PI	Ashkenazi AJ, Baker KP, Botstein D, Desnoyers L, Eaton DL;	
PI	Ferrara N, Fong S, Gerber H, Gerlitsen ME, Goddard J, Godowski PJ;	
PI	Grimaldi JC, Gurney AL, Klisvin IJ, Napier MA, Pan J, Paoni NF;	
PI	Roy M, Stewart TA, Tumas D, Watanabe CK, Williams PM, Wood WI;	
PI	Zhang Z;	
XX	WPI: 2003-288106/28.	
DR	P-PSDB; ABU60604.	
XX		
PT	New transmembrane polypeptides and nucleic acids encoding the	
PT	polypeptides, useful in gene therapy, in chromosome identification, as	
PT	chromosome markers, or in generating probes -	
XX	Claim 2; Fig 289; 650pp; English.	
PS		
XX		
CC	The invention discloses isolated PRO secreted/transmembrane polypeptides	
CC	comprising a sequence without signal peptide and the nucleic acid	
CC	encoding them. The polypeptides can be used to raise antibodies that	
CC	specifically bind to the PRO polypeptide, for linking a bioactive	
CC	molecule to a cell expressing a PRO protein and for modulating at least	
CC	one biological activity of a cell. The PRO polypeptides or	
CC	polynucleotides are also useful in gene therapy, in chromosome	
CC	identification, as chromosome markers, or in generating probes. The PRO	
CC	polypeptides are useful as molecular markers for protein	
CC	electrophoresis, and the isolated nucleic acids may be used for	
CC	recombinantly expressing the isolated markers. The PRO polypeptides and nucleic	
CC	acids may also be used in tissue typing. Anti-PRO antibodies and useful	
CC	in diagnostic assays for PRO, and in affinity purification of PRO from	
CC	recombinant cell culture or natural sources, the sequences presented in	
CC	AB930083-AB930468 are the genes encoding, the primers amplifying and the	
CC	probes detecting the PRO polynucleotides of the invention.	
CC	Note: The sequence data for this patent is also available in electronic	
CC	format from USPIO at seqdata.uspio.gov/sequence.html.	
XX		
XX		
SO	Sequence 570 BP; 129 A; 190 C; 170 G; 81 T; 0 other;	
Query Match	99.0%; Score 308.8; DB 25; Length 570;	
Best Local Similarity	99.4%; Pred. No. 4.5e-53;	
Matches 310; Conservative	0; Mismatches 2; Indels 0; Gaps 0;	
OY	1	ATGAAGCTGCGCCGCTCTGAGGCTCGCTGCGCCCTGTCCTGACGCTCCGCTGACT 60
Db	79	ATGAAGCTGCGCCGCTCTGAGGCTCGCTGCGCCCTGTCCTGACGCTCCGCTGACT 138
OY	61	TTCTTAGGCGCTCGGCAACCTGTTGGCCAGGCTGCGTGGCGCTGAGATCGGCGAGC 120
Db	139	TTCTTAGGCGCTCGGCAACCTGTTGGCCAGGCTGCGTGGCGCTGAGATCGGCGAGC 198
OY	121	GAGGCGGCGGCGGAGACCTTGAGCAACCCCTGAGCAACCCCTCAACCGCTAAGTCTG 180
Db	199	GAGGCGGCGGCGGAGACCTTGAGCAACCCCTGAGCAACCCCTCAACCGCTAAGTCTG 258
OY	181	CTGAGCAGCTCGGCGATCCCGGTAAACCACTCATATAGAGGCTCCAGAACTGTGTGCT 240
Db	259	CTGAGCAGCTCGGCGATCCCGGTAAACCACTCATATAGAGGCTCCAGAACTGTGTGCT 318

PR	25-JUN-1998;	98US-096695P
PR	25-JUN-1998;	98US-096696P
PR	26-JUN-1998;	98US-096697P
PR	26-JUN-1998;	98US-096698P
PR	01-JUL-1998;	98US-096699P
PR	01-JUL-1998;	98US-091544P
PR	02-JUL-1998;	98US-091478P
PR	02-JUL-1998;	98US-091519P
PR	02-JUL-1998;	98US-091526P
PR	02-JUL-1998;	98US-091528P
PR	02-JUL-1998;	98US-091533P
PR	02-JUL-1998;	98US-091546P
PR	07-JUL-1998;	98US-091573P
PR	07-JUL-1998;	98US-091576P
PR	09-JUL-1998;	98US-092182P
PR	10-JUL-1998;	98US-092182P
PR	20-JUL-1998;	98US-092472P
PR	30-JUL-1998;	98US-093339P
PR	04-AUG-1998;	98US-094651P
PR	04-AUG-1998;	98US-095882P
PR	04-AUG-1998;	98US-095885P
PR	04-AUG-1998;	98US-095301P
PR	04-AUG-1998;	98US-095302P
PR	04-AUG-1998;	98US-095318P
PR	04-AUG-1998;	98US-095321P
PR	04-AUG-1998;	98US-095325P
PR	10-AUG-1998;	98US-095916P
PR	10-AUG-1998;	98US-095929P
PR	11-AUG-1998;	98US-096012P
PR	11-AUG-1998;	98US-096143P
PR	12-AUG-1998;	98US-096146P
PR	12-AUG-1998;	98US-096329P
PR	17-AUG-1998;	98US-096757P
PR	17-AUG-1998;	98US-096766P
PR	17-AUG-1998;	98US-096768P
PR	17-AUG-1998;	98US-096773P
PR	17-AUG-1998;	98US-096791P
PR	17-AUG-1998;	98US-096891P
PR	17-AUG-1998;	98US-096894P
PR	17-AUG-1998;	98US-096895P
PR	17-AUG-1998;	98US-096897P
PR	18-AUG-1998;	98US-096949P
PR	18-AUG-1998;	98US-096950P
PR	18-AUG-1998;	98US-096959P
PR	18-AUG-1998;	98US-096960P
PR	18-AUG-1998;	98US-097022P
PR	19-AUG-1998;	98US-097141P
PR	20-AUG-1998;	98US-097218P
PR	24-AUG-1998;	98US-097661P
PR	26-AUG-1998;	98US-097962P
PR	26-AUG-1998;	98US-097971P
PR	26-AUG-1998;	98US-097975P
PR	26-AUG-1998;	98US-097984P
PR	26-AUG-1998;	98US-097986P
PR	26-AUG-1998;	98US-097987P
PR	31-AUG-1998;	98US-098014P
PR	16-SEP-1998;	98US-098525P
PR	17-SEP-1998;	98US-100634P
PR	12-OCT-1998;	98US-100858P
PR	12-NOV-1998;	98US-113296P
PR	23-JUN-1999;	98US-123557P
PR	07-JUL-1999;	98US-141037P
PR		98US-143048P

Query Match	99.0%	Score 308.8;	DB 25;	Length 570;
Best Local Similarity	99.4%	Pred. No. 4.5e-53;		
Matches 310;	Conservative 0;	Mismatches 2;	Indels 0;	Gaps 0;

1	ATGAAGCTCGCCGCCCTCTTGGGGCTCTGGGTGGGCTGCTGCTGCACTCGCGTGGCT	60

Dd		79	ATGAAGCTCGCCGCCCCCTCCTGGGGCTCTGCCTGGCCCTGTCTCTACAGTCCGCTGCTGCT	138
Oy		61	TTCTTAAGGGGCTTGCGGCACAACCCGTGTGGCCAGCACTGTCCGTGCGTAGAATGCGGGCG	120
Dd		139	TTCCTAGTGGGCTCTGGCCCAAGCCCTGTGGGCCCATGGCTGTGCTGTGGAGATGCGGGCG	199
Oy		121	GAGGCGGGGGCGGGGACCCTGGCGCCAACCCCCTGTGGCACACCTCAACCCGCTGAAGCTCTG	180
Dd		199	GAGGCGGGGGCGGGGACCCTGTGGCCAAACCCCTGTGGCACACCTCAACCCGCTGAAGCTCTG	258
Oy		181	CTGAGCAGCCTGGGCAATCCCCGCTGAACCACTCTATAGAAGGAGCTCCGAAAGTGTGGCT	240
Dd		259	CTTGAGCAGCCTGGGCAATCCCCGCTGAACCACTCTATAGAAGGAGCTCCGAAAGTGTGGCT	318
Oy		241	GAGCTGGGTCCCCAGAGCCGTTGGGGGCGCGTGAAGGCCCTGAAGGCCCTGTGGGGGCGCTG	300
Dd		319	GAGCTGGGTCCCCAGAGCCGTTGGGGGCGCGTGAAGGCCCTGAAGGCCCTGTGGGGGCGCTG	378
Oy		301	ACAGTGTGTGGC 312 	
Dd		379	ACAGTGTGTGGC 390 	
RESULT 13				
ID	ABX79570	standard;	cdNA; 570 BP.	
XX	ABX79570;			
DT	17-APR-2003	(first entry)		
DE				
KM	Human secreted/transmembrane protein cdNA, #163.			
KW	Human; gene; ss; PRO; secreted; transmembrane; signal peptide;			
OS	pharmacological; diagnostic; biosensor; bioreactor; tumour therapy;			
XX	colon cancer; lung cancer; breast cancer;cancer; gene therapy.			
PN	Homo sapiens.			
PD	US2002142961-A1.			
XX	03-OCT-2002.			
FE	19-NOV-2001;	2001US-0989721.		
XX				
PR	05-NOV-1997;	97WO-US20069.		
PR	17-SEP-1998;	98WO-US19437.		
PR	07-OCT-1998;	98WO-US21141.		
PR	01-DEC-1998;	98WO-US25108.		
PR	05-JAN-1999;	99WO-US00106.		
PR	08-MAR-1999;	99WO-US05028.		
PR	02-JUN-1999;	99WO-US12252.		
PR	15-SEP-1999;	99WO-US21090.		
PR	15-SEP-1999;	99WO-US21547.		
PR	30-NOV-1999;	99WO-US28313.		
PR	01-DEC-1999;	99WO-US28301.		
PR	16-DEC-1999;	99WO-US28634.		
PR	20-DEC-1999;	99WO-US30095.		
PR	05-JAN-2000;	2000WO-US00219.		
PR	06-FEB-2000;	2000WO-US00376.		
PR	18-FEB-2000;	2000WO-US03565.		
PR	24-FEB-2000;	2000WO-US04341.		
PR	24-FEB-2000;	2000WO-US04914.		
PR	10-MAR-2000;	2000WO-US05004.		
PR	10-MAR-2000;	2000WO-US05841.		
PR	20-MAR-2000;	2000WO-US06884.		
PR	30-MAR-2000;	2000WO-US07377.		
PR	15-MAY-2000;	2000WO-US13358.		
PR	17-MAY-2000;	2000WO-US13705.		

KW Human; PRO polypeptide; secreted protein; transmembrane protein;
 KW genetic disorder; antibacterial; immunosuppressive; transgenic;
 KW gene therapy; gene; ss.
 OS Homo sapiens.
 PN US2002103125-A1.
 XX 01-AUG-2002.
 XX 20-NOV-2001; 2001US-10989731.
 XX 05-NOV-1997; 97WO-US200069.
 PR 16-SEP-1998; 98MO-US199330.
 PR 17-SEP-1998; 98MO-US194437.
 PR 07-OCT-1998; 98MO-US21141.
 PR 01-DEC-1998; 98MO-US25108.
 PR 05-JAN-1999; 99MO-US00106.
 PR 08-MAR-1999; 99MO-US05028.
 PR 02-JUN-1999; 99MO-US12252.
 PR 15-SEP-1999; 99MO-US21090.
 PR 30-NOV-1999; 99MO-US28313.
 PR 01-DEC-1999; 99MO-US28634.
 PR 16-DEC-1999; 99MO-US30095.
 PR 20-DEC-1999; 99MO-US30911.
 PR 06-JAN-2000; 2000MO-US00219.
 PR 11-FEB-2000; 2000MO-US00376.
 PR 18-FEB-2000; 2000MO-US04341.
 PR 22-FEB-2000; 2000MO-US04914.
 PR 24-FEB-2000; 2000MO-US05004.
 PR 02-MAR-2000; 2000MO-US05841.
 PR 10-MAR-2000; 2000MO-US06319.
 PR 15-MAR-2000; 2000MO-US06884.
 PR 20-MAR-2000; 2000MO-US07377.
 PR 30-MAR-2000; 2000MO-US08439.
 PR 15-MAY-2000; 2000MO-US13358.
 PR 17-MAY-2000; 2000MO-US13705.
 PR 22-MAY-2000; 2000MO-US14042.
 PR 30-MAY-2000; 2000MO-US14941.
 PR 02-JUN-2000; 2000MO-US15264.
 PR 28-JUL-2000; 2000MO-US20710.
 PR 11-AUG-2000; 2000MO-US22031.
 PR 23-AUG-2000; 2000MO-US23522.
 PR 24-AUG-2000; 2000MO-US23328.
 PR 08-NOV-2000; 2000MO-US30952.
 PR 01-DEC-2000; 2000MO-US32678.
 PR 28-FEB-2001; 2001MO-US06520.
 PR 01-JUN-2001; 2001MO-US17800.
 PR 20-JUN-2001; 2001MO-US19692.
 PR 29-JUN-2001; 2001MO-US21066.
 PR 09-JUL-2001; 2001MO-US21735.
 PR 16-JUN-1997; 97US-049780P.
 PR 17-OCT-1997; 97US-062250P.
 PR 12-NOV-1997; 97US-065186P.
 PR 13-NOV-1997; 97US-065311P.
 PR 24-NOV-1997; 97US-06770P.
 PR 25-FEB-1998; 98US-075945P.
 PR 20-MAR-1998; 98US-078910P.
 PR 28-APR-1998; 98US-083322P.
 PR 07-MAY-1998; 98US-084600P.
 PR 28-MAY-1998; 98US-087106P.
 PR 02-JUN-1998; 98US-087607P.
 PR 02-JUN-1998; 98US-087609P.
 PR 03-JUN-1998; 98US-087759P.
 PR 03-JUN-1998; 98US-087837P.
 PR 04-JUN-1998; 98US-088021P.
 PR 04-JUN-1998; 98US-088025P.
 PR 04-JUN-1998; 98US-088026P.
 PR 04-JUN-1998; 98US-088028P.

PR 04-JUN-1998; 98US-088029P.
 PR 04-JUN-1998; 98US-088030P.
 PR 04-JUN-1998; 98US-088033P.
 PR 04-JUN-1998; 98US-088326P.
 PR 05-JUN-1998; 98US-088167P.
 PR 05-JUN-1998; 98US-088202P.
 PR 05-JUN-1998; 98US-088212P.
 PR 05-JUN-1998; 98US-088217P.
 PR 09-JUN-1998; 98US-088655P.
 PR 10-JUN-1998; 98US-088734P.
 PR 10-JUN-1998; 98US-088738P.
 PR 10-JUN-1998; 98US-088742P.
 PR 10-JUN-1998; 98US-088810P.
 PR 10-JUN-1998; 98US-088824P.
 PR 10-JUN-1998; 98US-088826P.
 PR 11-JUN-1998; 98US-088858P.
 PR 11-JUN-1998; 98US-088861P.
 PR 11-JUN-1998; 98US-088876P.
 PR 12-JUN-1998; 98US-089105P.
 PR 16-JUN-1998; 98US-089402P.
 PR 16-JUN-1998; 98US-089512P.
 PR 16-JUN-1998; 98US-089514P.
 PR 17-JUN-1998; 98US-089532P.
 PR 17-JUN-1998; 98US-089534P.
 PR 17-JUN-1998; 98US-089538P.
 PR 17-JUN-1998; 98US-089598P.
 PR 17-JUN-1998; 98US-089599P.
 PR 17-JUN-1998; 98US-089600P.
 PR 17-JUN-1998; 98US-089653P.
 PR 18-JUN-1998; 98US-089653P.
 PR 18-JUN-1998; 98US-089801P.
 PR 18-JUN-1998; 98US-089907P.
 PR 18-JUN-1998; 98US-089908P.
 PR 28-AUG-2001; 2001US-0941992.
 PA (GENTH) GENENTECH LTD.
 XX
 PI Ashkenazi AJ, Baker KP, Botstein D, Desnoyers LV, Eaton DL;
 PI Ferrera N, Fong S, Gerber H, Gerritsen ME, Goddard A, Godowsky PJ,
 PI Grimaldi JC, Gurney AL, Kijavlin IJ, Napier MA, Pan J, Paoni NP,
 PI Roy MA, Stewart TA, Tumas D, Watanabe CK, Williams PM, Wood WI;
 PI Zhang Z;
 PI
 DR WPI: 2003-102117/09.
 DR P-PSDB: ABU13986.
 XX
 PT Novel secreted and transmembrane polypeptide for modulating biological
 PT activity of cell expressing the polypeptide, identifying agonists or
 PT antagonists of polypeptide, and as molecular weight markers
 XX
 PS Claim 2; Fig 289; 649pp; English.
 XX
 CC The present invention relates to the isolation of novel human PRO
 CC polypeptides, and the polynucleotide sequences encoding them. The
 CC PRO polypeptides are secreted and transmembrane proteins. The PRO
 CC polypeptides are useful for detecting other PRO polypeptides, for
 CC linking bioactive molecules to cells expressing PRO polypeptides,
 CC for modulating biological activities of cells expressing PRO
 CC polypeptides, and for identifying agonists or antagonists.
 CC The polynucleotide sequences encoding PRO polypeptides are useful as
 CC hybridisation probes, in chromosome and gene mapping, in the generation
 CC of antisense RNA and DNA, in the preparation of PRO polypeptides, for
 CC generating transgenic animals or knockout animals, to construct
 CC hybridisation probes for mapping the gene which encodes the PRO
 CC polypeptide, and for the genetic analysis of individuals with genetic
 CC disorders, in gene therapy, for chromosome identification, as
 CC chromosome markers, and for generating probes for PCR, Northern
 CC analysis, Southern analysis and Western analysis. The present
 CC sequence encodes a human PRO polypeptide of the invention.
 CC Note: The sequence data for this patent was obtained in electronic
 CC format directly from the USPTO web site at
 CC seqdata.uspto.gov/psipsdidentry.html.
 CC
 XX Sequence 570 BP; 129 A; 190 C; 170 G; 81 T; 0 other;
 SQ

PA (GETH) GENENTECH INC.
 XX
 PI Ashkenazi AJ, Baker KP, Borstein D, Desnoyers L, Eaton DL,
 PI Ferrara N, Fong S, Gerber H, Gertsen ME, Goddard A, Godowski PJ,
 PI Grimaldi JC, Gurney AL, Kijavirijit, Napier MA, Pan J, Paoni NF,
 PI Roy MA, Stewart TA, Tamas D, Watanabe CK, Williams PM, Wood WI,
 PI Zhang Z;
 DR WPI: 2003-066810/06.
 DR P-PSDB: AB010941.
 XX
 PT Novel secreted and transmembrane polypeptide for modulating biological
 PT activity of cell expressing the polypeptide, identifying agonists or
 PT antagonists of polypeptide, and as molecular weight markers
 XX
 PS Claim 2: Fig 289; 655pp; English.
 XX
 CC The invention relates to a secreted and transmembrane polypeptide, termed
 CC PRO polypeptide, and the polynucleotide encoding it. The polypeptide is
 CC useful for detecting PRO polypeptides and for linking a bioactive
 CC molecule to a cell expressing the above polypeptides, where the bioactive
 CC molecule is a toxin, radiolabel or an antibody. The bioactive material
 CC causes the death of the cell. The polypeptide is useful for identifying
 CC agonists or antagonists of the cell. The polypeptide is useful for preparing
 CC PRO, as a molecular weight marker for protein electrophoresis purposes
 CC and the PRO polynucleotide is useful for recombinantly expressing those
 CC markers. The polynucleotide is also useful as a hybridisation probe. In
 CC chromosome and gene mapping, in generation of antisense RNA and DNA, in
 CC the preparation of PRO polypeptide, for generating transgenic animals or
 CC knockout animals which in turn are useful in the development and
 CC screening of therapeutically useful reagents to construct hybridisation
 CC probes for mapping the gene which encodes PRO and for the genetic
 CC analysis of individuals with genetic disorders, in gene therapy, for
 CC chromosome identification, as a chromosome marker and for generating
 CC probes for PCR Northern analysis, Southern analysis and for generating
 CC analysis. This sequence represents a human PRO polynucleotide of the
 CC invention.
 XX
 SQ Sequence 570 BP; 129 A; 190 C; 170 G; 81 T; 0 other:
 Query Match 99.0%; Score 308.8; DB 25; Length 570;
 Best Local Similarity 99.4%; Pred. No. 4.5e-53;
 Matches 310; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
 QY 1 ATGAAGCTCGCCGCTCTGCGGCTGCGTGCCTGCTGCAGCTCCGCTGCT 60
 DB |||||||
 DB 79 ATGAAGCTCGCCGCTCTGCGGCTGCGTGCCTGCTGCAGCTCCGCTGCT 138
 QY 61 TTCTTAGTGGCTCGGCAAGAGCTGTGGCCAGCTGTGCGTGCCTGAGTGGCGGCG 120
 DB |||||||
 DB 139 TTCTTAGTGGCTCGGCAAGAGCTGTGGCCAGCTGTGCGTGCCTGAGTGGCGGCG 198
 QY 121 GAGGCCGGGGCCGGGACCTGTGCGCAAGCCCTCGGACCCCTCAACCCCGCTGAACTCCTG 180
 DB |||||||
 DB 199 GAGGCCGGGGCCGGGACCTGTGCGCAAGCCCTCGGACCCCTCAACCCCGCTGAACTCCTG 258
 QY 181 CTGACAGAGCTGGGATCCCGGTGAACACCTCATAGAGGGCTCCAGAAAGTGTGGCT 240
 DB |||||||
 DB 259 CTGACAGAGCTGGGATCCCGGTGAACACCTCATAGAGGGCTCCAGAAAGTGTGGCT 318
 QY 241 GAGCTGGGCTCCAGAGCGGTGGGGCGGTGAAGCCCTGTAAGGCGCTGGGGCCCTG 300
 DB |||||||
 DB 319 GAGCTGGGCTCCAGAGCGGTGGGGCGGTGAAGGCGCTGTAAGGCGCTGGGGCCCTG 378
 QY 301 ACAGTGTGGC 312
 DB |||||||
 DB 379 ACAGTGTGGC 390

GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on: September 19, 2003, 23:37:59 : Search time 3504.56 Seconds
(without alignments)
5214.127 Million cell updates/sec

Title: US-10-081-817a-19

Perfect score: 551
Sequence: 1 cggccggggagggcgcggg.....gcgcccgagcccgccgccc 551

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 3363688 seqs, 1658189874 residues

Total number of hits satisfying chosen parameters: 66727376

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database :

1: Pending-Patents_NA_Main:*
2: /cgn2_6/ptodata/2/pna/PCRTUS_COMB.seq.*
3: /cgn2_6/ptodata/2/pna/PCRTUS_COMB.seq.*
4: /cgn2_6/ptodata/2/pna/US07_COMB.seq.*
5: /cgn2_6/ptodata/2/pna/US080_COMB.seq.*
6: /cgn2_6/ptodata/2/pna/US081_COMB.seq.*
7: /cgn2_6/ptodata/2/pna/US082_COMB.seq.*
8: /cgn2_6/ptodata/2/pna/US083_COMB.seq.*
9: /cgn2_6/ptodata/2/pna/US084_COMB.seq.*
10: /cgn2_6/ptodata/2/pna/US085_COMB.seq.*
11: /cgn2_6/ptodata/2/pna/US086_COMB.seq.*
12: /cgn2_6/ptodata/2/pna/US087_COMB.seq.*
13: /cgn2_6/ptodata/2/pna/US088_COMB.seq.*
14: /cgn2_6/ptodata/2/pna/US089_COMB.seq.*
15: /cgn2_6/ptodata/2/pna/US090_COMB.seq.*
16: /cgn2_6/ptodata/2/pna/US091_COMB.seq.*
17: /cgn2_6/ptodata/2/pna/US092A_COMB.seq.*
18: /cgn2_6/ptodata/2/pna/US092B_COMB.seq.*
19: /cgn2_6/ptodata/2/pna/US093A_COMB.seq.*
20: /cgn2_6/ptodata/2/pna/US093B_COMB.seq.*
21: /cgn2_6/ptodata/2/pna/US094_COMB.seq.*
22: /cgn2_6/ptodata/2/pna/US095A_COMB.seq.*
23: /cgn2_6/ptodata/2/pna/US095B_COMB.seq.*
24: /cgn2_6/ptodata/2/pna/US095C_COMB.seq.*
25: /cgn2_6/ptodata/2/pna/US095D_COMB.seq.*
26: /cgn2_6/ptodata/2/pna/US096A_COMB.seq.*
27: /cgn2_6/ptodata/2/pna/US096B_COMB.seq.*
28: /cgn2_6/ptodata/2/pna/US096C_COMB.seq.*
29: /cgn2_6/ptodata/2/pna/US096D_COMB.seq.*
30: /cgn2_6/ptodata/2/pna/US096E_COMB.seq.*
31: /cgn2_6/ptodata/2/pna/US097A_COMB.seq.*
32: /cgn2_6/ptodata/2/pna/US097B_COMB.seq.*
33: /cgn2_6/ptodata/2/pna/US097C_COMB.seq.*
34: /cgn2_6/ptodata/2/pna/US098A_COMB.seq.*
35: /cgn2_6/ptodata/2/pna/US098B_COMB.seq.*
36: /cgn2_6/ptodata/2/pna/US098C_COMB.seq.*
37: /cgn2_6/ptodata/2/pna/US098D_COMB.seq.*
38: /cgn2_6/ptodata/2/pna/US099A_COMB.seq.*
39: /cgn2_6/ptodata/2/pna/US099B_COMB.seq.*
40: /cgn2_6/ptodata/2/pna/US099C_COMB.seq.*
41: /cgn2_6/ptodata/2/pna/US099D_COMB.seq.*
42: /cgn2_6/ptodata/2/pna/US099E_COMB.seq.*
43: /cgn2_6/ptodata/2/pna/US099F_COMB.seq.*

44: /cgn2_6/ptodata/2/pna/US100A_COMB.seq.*
45: /cgn2_6/ptodata/2/pna/US100B_COMB.seq.*
46: /cgn2_6/ptodata/2/pna/US101A_COMB.seq.*
47: /cgn2_6/ptodata/2/pna/US101B_COMB.seq.*
48: /cgn2_6/ptodata/2/pna/US102A_COMB.seq.*
49: /cgn2_6/ptodata/2/pna/US102B_COMB.seq.*
50: /cgn2_6/ptodata/2/pna/US103A_COMB.seq.*
51: /cgn2_6/ptodata/2/pna/US103B_COMB.seq.*
52: /cgn2_6/ptodata/2/pna/US104A_COMB.seq.*
53: /cgn2_6/ptodata/2/pna/US104B_COMB.seq.*
54: /cgn2_6/ptodata/2/pna/US6000_COMB.seq.*
55: /cgn2_6/ptodata/2/pna/US6001_COMB.seq.*
56: /cgn2_6/ptodata/2/pna/US6002_COMB.seq.*
57: /cgn2_6/ptodata/2/pna/US6003_COMB.seq.*
58: /cgn2_6/ptodata/2/pna/US6004_COMB.seq.*
59: /cgn2_6/ptodata/2/pna/US6005_COMB.seq.*
60: /cgn2_6/ptodata/2/pna/US6006_COMB.seq.*
61: /cgn2_6/ptodata/2/pna/US6007_COMB.seq.*
62: /cgn2_6/ptodata/2/pna/US6008_COMB.seq.*
63: /cgn2_6/ptodata/2/pna/US6009_COMB.seq.*
64: /cgn2_6/ptodata/2/pna/US6010_COMB.seq.*
65: /cgn2_6/ptodata/2/pna/US6011_COMB.seq.*
66: /cgn2_6/ptodata/2/pna/US6012_COMB.seq.*
67: /cgn2_6/ptodata/2/pna/US6013_COMB.seq.*
68: /cgn2_6/ptodata/2/pna/US6014_COMB.seq.*
69: /cgn2_6/ptodata/2/pna/US6015_COMB.seq.*
70: /cgn2_6/ptodata/2/pna/US6016_COMB.seq.*
71: /cgn2_6/ptodata/2/pna/US6017_COMB.seq.*
72: /cgn2_6/ptodata/2/pna/US6018_COMB.seq.*
73: /cgn2_6/ptodata/2/pna/US6019_COMB.seq.*
74: /cgn2_6/ptodata/2/pna/US6020_COMB.seq.*
75: /cgn2_6/ptodata/2/pna/US6021_COMB.seq.*
76: /cgn2_6/ptodata/2/pna/US6022_COMB.seq.*
77: /cgn2_6/ptodata/2/pna/US6023A_COMB.seq.*
78: /cgn2_6/ptodata/2/pna/US6023B_COMB.seq.*
79: /cgn2_6/ptodata/2/pna/US6024_COMB.seq.*
80: /cgn2_6/ptodata/2/pna/US6025_COMB.seq.*
81: /cgn2_6/ptodata/2/pna/US6026_COMB.seq.*
82: /cgn2_6/ptodata/2/pna/US6027_COMB.seq.*
83: /cgn2_6/ptodata/2/pna/US6028_COMB.seq.*
84: /cgn2_6/ptodata/2/pna/US6029_COMB.seq.*
85: /cgn2_6/ptodata/2/pna/US6030_COMB.seq.*
86: /cgn2_6/ptodata/2/pna/US6031_COMB.seq.*
87: /cgn2_6/ptodata/2/pna/US6032_COMB.seq.*
88: /cgn2_6/ptodata/2/pna/US6033_COMB.seq.*
89: /cgn2_6/ptodata/2/pna/US6034_COMB.seq.*
90: /cgn2_6/ptodata/2/pna/US6035_COMB.seq.*
91: /cgn2_6/ptodata/2/pna/US6036_COMB.seq.*
92: /cgn2_6/ptodata/2/pna/US6037_COMB.seq.*
93: /cgn2_6/ptodata/2/pna/US6038_COMB.seq.*
94: /cgn2_6/ptodata/2/pna/US6039_COMB.seq.*
95: /cgn2_6/ptodata/2/pna/US6040_COMB.seq.*
96: /cgn2_6/ptodata/2/pna/US6041_COMB.seq.*
97: /cgn2_6/ptodata/2/pna/US6042_COMB.seq.*
98: /cgn2_6/ptodata/2/pna/US6043_COMB.seq.*
99: /cgn2_6/ptodata/2/pna/US6044_COMB.seq.*
100: /cgn2_6/ptodata/2/pna/US6045_COMB.seq.*
101: /cgn2_6/ptodata/2/pna/US6046_COMB.seq.*
102: /cgn2_6/ptodata/2/pna/US6047_COMB.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	509.2	92.4	547	1	Sequence 19, Appl
2	509.2	92.4	547	45	Sequence 19, Appl
3	488.6	88.7	66763	99	Sequence 995, App
4	486	88.2	13386	101	Sequence 87918, A

```
c 5 486 88.2 32768 75 US-60-213-178-297 Sequence 297, App
6 338.4 61.4 1794 45 US-10-059-579-120 Sequence 120, App
7 338.4 61.4 1794 45 US-10-059-579A-120 Sequence 120, App
8 169.4 30.7 627 31 US-09-710-281-4055 Sequence 4055, Ap
9 169.4 30.7 714 33 US-09-770-175-8431 Sequence 8431, Ap
10 160.8 29.2 210 12 US-08-790-774-9245 Sequence 9245, Ap
11 160.8 29.2 210 38 US-09-912-293-221180 Sequence 221180,
12 143.6 26.1 533 27 US-09-634-306B-196114 Sequence 196114,
13 143.6 26.1 533 44 US-10-027-632-196114 Sequence 196114,
14 123.4 22.4 624 33 PCT-US01-09339-8 Sequence 4736, Ap
15 120 21.8 562 15 PCT-US01-09339-8 Sequence 8, App11
16 120 21.8 562 15 US-09-016-387-5 Sequence 5, App11
17 120 21.8 562 24 US-09-549-342A-8 Sequence 8, App11
18 120 21.8 589 71 US-60-172-360-22042 Sequence 22042, A
19 119 21.6 1563 61 US-60-070-771-1147 Sequence 1147, Ap
20 117 21.2 190 15 US-09-016-387-1 Sequence 1, App11
21 117 21.2 190 24 US-08-540-208-37787 Sequence 37787, A
22 116 21.1 561 86 US-10-237-435-6 Sequence 6, App11
23 116 21.1 561 86 US-60-317-822-6 Sequence 6, App11
24 114 20.7 450 73 US-09-834-566-4822 Sequence 4822, Ap
25 114 20.7 450 73 US-60-197-873-4822 Sequence 4822, Ap
26 92 16.7 248 16 US-09-100-454-1070 Sequence 1070, Ap
27 92 16.7 248 16 US-09-540-212A-39930 Sequence 39930, A
28 92 16.7 248 59 US-60-051-749-1070 Sequence 1070, Ap
29 92 16.7 543 1 PCT-US99-10344-6 Sequence 6, App11
30 92 16.7 543 2 PCT-US99-10344-6 Sequence 6, App11
31 92 16.7 543 31 US-09-700-770-6 Sequence 6, App11
32 92 16.7 543 31 US-09-720-533-139 Sequence 139, App
33 92 16.7 543 63 US-60-090-762-130 Sequence 130, App
34 87 15.8 527 52 US-10-242-799-18 Sequence 18, App1
35 87 15.8 527 52 US-10-426-002-18 Sequence 18, App1
36 78 14.2 519 15 US-09-016-387-6 Sequence 6, App1
37 78 14.2 519 39 US-09-927-796-27 Sequence 27, App1
38 78 14.2 569 48 US-10-210-951-27 Sequence 27, App1
39 78 14.2 569 48 US-10-211-858-27 Sequence 27, App1
40 78 14.2 569 48 US-10-211-884-27 Sequence 27, App1
41 78 14.2 570 31 US-09-709-338-407 Sequence 407, App
42 78 14.2 570 41 US-09-941-992-407 Sequence 407, App
43 78 14.2 570 43 US-09-989-279-407 Sequence 407, App
44 78 14.2 570 43 US-09-989-293A-407 Sequence 407, App
45 78 14.2 570 43 US-09-989-293A-407 Sequence 407, App
```

ALIGNMENTS

```
RESULT 1
PCT-US02-05403-19
: Sequence 19, Application PC/TUS0205403
: GENERAL INFORMATION:
: APPLICANT: Dana-Farber Cancer Institute, Inc.
: TITLE OF INVENTION: HIN-1, A TUMOR SUPPRESSOR GENE
: FILE REFERENCE: 00530-094W01
: CURRENT APPLICATION NUMBER: PCT/US02/05403
: CURRENT FILING DATE: 2002-02-22
: PRIOR FILING DATE: 2001-02-23
: PRIOR APPLICATION NUMBER: 60/351,908
: PRIOR FILING DATE: 2002-01-25
: NUMBER OF SEQ ID NOS: 32
: SOFTWARE: FastSeq for Windows Version 4.0
: SEQ ID NO 19
: LENGTH: 547
: TYPE: DNA
: ORGANISM: Homo sapiens
: FEATURE:
: NAME/KEY: misc_feature
: LOCATION: 186
: OTHER INFORMATION: n = C or G
PCT-US02-05403-19
```

```
Query Match          92.4% Score 509.2: DB 1: Length 547:
Best Local Similarity 97.8% Pred. No. 1e-76;
```

```
Matches 539; Conservative 0; Mismatches 8; Indels 4; Gaps 2;
OY 1 CGCGCGGAGAGCGCGCGGAGTGAAGCGCTGATGCTCCAGGCGCTCCACCTCCAGG 60
1 CGCGCGGAGAGCGCGCGGAGTGAAGCGCTGATGCTCCAGGCGCTCCACCTCCAGG 60
1 CGCGCGGAGAGCGCGCGGAGTGAAGCGCTGATGCTCCAGGCGCTCCACCTCCAGG 60
OY 61 CGCAGAGGCGCGCGCGGAGGAGCGCGCGCTGATGCTCCAGGCGCTCCAGG 120
61 CGCAGAGGCGCGCGCGGAGGAGCGCGCGCTGATGCTCCAGGCGCTCCAGG 120
61 CGCAGAGGCGCGCGCGGAGGAGCGCGCGCTGATGCTCCAGGCGCTCCAGG 120
61 CGCAGAGGCGCGCGCGGAGGAGCGCGCGCTGATGCTCCAGGCGCTCCAGG 120
OY 121 CAGGAGCAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 180
121 CAGGAGCAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 180
121 CAGGAGCAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 177
121 CAGGAGCAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 177
OY 181 CGCTCAGCAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 240
181 CGCTCAGCAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 240
178 CGCTCAGCAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 236
241 AGACCGCAAGCGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 300
237 AGACCGCAAGCGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 296
301 CTCTCTCAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 360
297 CTCTCTCAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 356
361 GGGCAGCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 420
357 GGGCAGCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 416
421 AGCGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 480
417 AGCGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 476
OY 481 CCGGATTAAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 540
477 CCGGATTAAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 536
OY 541 GCCCGCGGCGCC 551
537 GCCCGCGGCGCC 547
DB
```

```
RESULT 2
US-10-081-817-19
: Sequence 19, Application us/10081817
: GENERAL INFORMATION:
: APPLICANT: Polyak, Kornelia
: APPLICANT: Porter, Dale
: APPLICANT: Sgroi, Dennis
: TITLE OF INVENTION: HIN-1, A TUMOR SUPPRESSOR GENE
: FILE REFERENCE: 00530-094001
: CURRENT APPLICATION NUMBER: US/10/081,817
: CURRENT FILING DATE: 2002-05-31
: PRIOR FILING DATE: 2001-02-23
: PRIOR APPLICATION NUMBER: 60/351,908
: PRIOR FILING DATE: 2002-01-25
: NUMBER OF SEQ ID NOS: 32
: SOFTWARE: FastSeq for Windows Version 4.0
: SEQ ID NO 19
: LENGTH: 547
: TYPE: DNA
: ORGANISM: Homo sapiens
: FEATURE:
: NAME/KEY: misc_feature
: LOCATION: 186
: OTHER INFORMATION: n = C or G
US-10-081-817-19
```

```
Query Match          92.4% Score 509.2: DB 45: Length 547:
Best Local Similarity 97.8% Pred. No. 1e-76;
```

Matches 539; Conservative 0; Mismatches 8; Indels 4; Gaps 2;

QY 1 CGGGCGGGAGGCGCGGAGTGTAGGCTGTGTCCTTGCGGCTCCACCTCCCGAG 60
DB 1 CGGGCGGGAGGCGCGGAGTGTAGGCTGTGTCCTTGCGGCTCCACCTCCCGAG 60

QY 61 CGCAGAGGCGCGCGGAGGAGGCGGAGGCGGAGGCGGAGGCGGAGGCGGAGG 120
DB 61 CGCAGAGGCGCGCGGAGGAGGCGGAGGCGGAGGCGGAGGCGGAGGCGGAGG 120

QY 121 CAGGAGCAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 180
DB 121 CAGGAGCAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 180

QY 181 CCGTACACGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 240
DB 181 CCGTACACGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 240

QY 211 AGACCGCAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 300
DB 211 AGACCGCAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 300

QY 237 AGACCGCAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 296
DB 237 AGACCGCAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 296

QY 301 CTCTCTCAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 360
DB 301 CTCTCTCAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 360

QY 351 GGGGACGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 420
DB 351 GGGGACGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 420

QY 421 AGCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 480
DB 421 AGCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 480

QY 477 CGGGGTATTAAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 540
DB 477 CGGGGTATTAAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 540

QY 541 GCGCCCGCGGCC 551
DB 541 GCGCCCGCGGCC 551

QY 537 GCGCCCGCGGCC 547
DB 537 GCGCCCGCGGCC 547

RESULT 3
US-60-449-155-995
Sequence 995, Application US/60449155
GENERAL INFORMATION:
APPLICANT: Keith, Tim
TITLE OF INVENTION: NUCLEOTIDE AND AMINO ACID SEQUENCES
FILE REFERENCE: RELATING TO RESPIRATORY DISEASES AND OBESITY
CURRENT APPLICATION NUMBER: US/60/449,155
CURRENT FILING DATE: 2003-02-20
NUMBER OF SEQ ID NOS: 1000
SOFTWARE: FASTSEQ for Windows Version 4.0
SEQ ID NO: 995
LENGTH: 66743
TYPE: DNA
ORGANISM: Human
US-60-449-155-995

Query Match 88.7%; Score 488.6; DB 99; Length 66743;
Best Local Similarity 95.8%; Pred. No. 1,8e-73;
Matches 529; Conservative 0; Mismatches 5; Indels 18; Gaps 2;

QY 121 CAGGAGCAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 180
DB 121 CAGGAGCAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 180

QY 62163 CAGGAGCAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 62222
DB 62163 CAGGAGCAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 62222

QY 181 CCGTACACGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 240
DB 181 CCGTACACGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 240

QY 241 AGACCGCAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 300
DB 241 AGACCGCAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 300

QY 301 CTCTCTCAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 359
DB 301 CTCTCTCAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 359

QY 351 GGGGACGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 419
DB 351 GGGGACGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 419

QY 420 GAGCGAGCAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 479
DB 420 GAGCGAGCAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 479

QY 62446 GAGCGAGCAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 62505
DB 62446 GAGCGAGCAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 62505

QY 62506 ACCGGGTATTAAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 62565
DB 62506 ACCGGGTATTAAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 62565

QY 540 AGCCCGCGGCC 551
DB 540 AGCCCGCGGCC 551

QY 62566 AGCCCGCGGCC 62577
DB 62566 AGCCCGCGGCC 62577

RESULT 4
US-60-466-412-87918
Sequence 87918, Application US/60466412
GENERAL INFORMATION:
APPLICANT: IAKOUBOVA, Michele
TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
FILE REFERENCE: C1001466
CURRENT APPLICATION NUMBER: US/60/466,412
CURRENT FILING DATE: 2003-04-30
NUMBER OF SEQ ID NOS: 429241
SOFTWARE: FASTSEQ for Windows Version 4.0
SEQ ID NO: 87918
LENGTH: 13386
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc_feature
LOCATION: (1)...(13386)
OTHER INFORMATION: n = A,T,C or G
US-60-466-412-87918

Query Match 88.2%; Score 486; DB 101; Length 13386;
Best Local Similarity 95.7%; Pred. No. 5.9e-73;
Matches 528; Conservative 0; Mismatches 5; Indels 19; Gaps 2;

Db 5671 C-----CCCTCACCCGCGCCCGACCCCTGAGGGGGCCGCTGGGGCTC 5712
QY 241 AACCCGCAAAAGCGAAGTGCAGGGCCGGGCTGCGCGAGCAAAAGCCGGGCTGC 300
Db 5713 AACCCGCAAAAGCGAAGTGCAGGGCCGGGCTGCGCGAGCAAAAGCCGGGCTGC 5772
QY 301 CT-CTCTCAGAGGGCCCGACGGCCCTGCAAGAGAAAGTCTCTGAGGGCCGGGCAAG 359
Db 5773 CTGCTCTCAGAGGGCCCGACGGCCCTGCAAGAGAAAGTCTCTGAGGGCCGGGCAAG 5832
QY 360 GGGGCAAGGGCTTCCAGAGGGCCCGGCGGCGAGAGAAAGTGGCCAGGGCCAGCGCT 419
Db 5833 GGGGCAAGGGCTTCCAGAGGGCCCGGCGGCGAGAGAAAGTGGCCAGGGCCAGCGCT 5892
QY 420 GAGCGAGCGGGCGAGGGCTTCTCAGAGAGCGCGGGCGAGCGCGCTGAGAGGGCGAGG 479
Db 5893 GAGCGAGCGGGCGAGGGCTTCTCAGAGAGCGCGGGCGAGCGCGCTGAGAGGGCGAGG 5952
QY 480 ACCGGGTATTAAGAAAGCTCTGCTGAGCGCGGGCGAGCGAGTTCCCGCGCGCCCG 539
Db 5953 ACCGGGTATTAAGAAAGCTCTGCTGAGCGCGGGCGAGCGAGTTCCCGCGCGCCCG 6012
QY 540 AGCCCCCGCGCC 551
Db 6013 AGCCCCCGCGCC 6024

RESULT 5
US-60-213-178-297/C
; Sequence 297, Application US/60213178
; GENERAL INFORMATION:
; APPLICANT: Beasley, Ellen
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
; FILE REFERENCE: C1000689
; CURRENT APPLICATION NUMBER: US/60/213,178
; PRIOR FILING DATE: 2000-06-22
; NUMBER OF SEQ ID NOS: 1425
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 297
; LENGTH: 32768
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(32768)
; OTHER INFORMATION: n A,T,C or G
US-60-213-178-297

Query Match 8.2%; Score 486; DB 75; Length 32768;
Best Local Similarity 95.7%; Pred. No. 5,3e-73;
Matches 528; Conservative 0; Mismatches 5; Indels 19; Gaps 2;
QY 1 CGGGCGGGGAGGCGCGCGGAGTGAAGCGCTGCTGCGCGCGCTCCACACTCCAGG 60
Db 4015 CGGGCGGGGAGGCGCGCGGAGTGAAGCGCTGCTGCTGCGCGCGCTCCACACTCCAGG 3956
QY 61 CGCAAAAGGCGCCACAGAGACCCCAATGCGCCGACGCTTGCCAGGCTGTGGATCAGAG 120
Db 3955 CGCAAAAGGCGCCACAGAGACCCCAATGCGCCGACGCTTGCCAGGCTGTGGATCAGAG 3896
QY 121 CAGGAGCAGGAGGAGCAAGTGGCGCGCGCGCGCGCTGCGCGAGGAAAGCT 180
Db 3895 CAGGAGCAGGAGGAGCAAGTGGCGCGCGCGCGCGCTGCGCGAGGAAAGCT 3836
QY 181 CCCTCACCAGGAGGAGTCTCCCTCACCAGGCGCGAGCGCTGAGAGGGGCGCGTGGGCTC 240
Db 3835 C-----CCCTCACCAGGAGGAGTCTCCCTCACCAGGCGCGAGCGCTGAGAGGGGCGCGTGGGCTC 3794
QY 241 AGACCGCAAAAGCGAAGTGCAGGGCCGGGCTGCGCGAGCAAAAGCCGGGCTGC 300

Db 3793 AGACCGCAAAAGCGAAGTGCAGGGCCGGGCTGCGCGAGCAAAAGCCGGGCTGC 3734
QY 301 CT-CTCTCAGAGGGCCCGACGGCCCTGCAAGAGAAAGTCTCTGAGGGCCGGGCAAG 359
Db 3733 CTGCTCTCAGAGGGCCCGACGGCCCTGCAAGAGAAAGTCTCTGAGGGCCGGGCAAG 3674
QY 360 GGGGCAAGGGCTTCCAGAGGGCCCGGCGGCGAGAGAAAGTGGCCAGGGCCAGCGCT 419
Db 3673 GGGGCAAGGGCTTCCAGAGGGCCCGGCGGCGAGAGAAAGTGGCCAGGGCCAGCGCT 3614
QY 420 GAGCGAGCGGGCGAGGGCTTCTCAGAGAGCGCGGGCGAGCGCGCTGAGAGGGCGAGG 479
Db 3613 GAGCGAGCGGGCGAGGGCTTCTCAGAGAGCGCGGGCGAGCGCGCTGAGAGGGCGAGG 3554
QY 480 ACCGGGTATTAAGAAAGCTCTGCTGAGCGCGGGCGAGCGAGTTCCCGCGCGCCCG 539
Db 3553 ACCGGGTATTAAGAAAGCTCTGCTGAGCGCGGGCGAGCGAGTTCCCGCGCGCCCG 3494
QY 540 AGCCCCCGCGCC 551
Db 3493 AGCCCCCGCGCC 3482

RESULT 6
US-10-059-579-120
; Sequence 120, Application US/10059579
; GENERAL INFORMATION:
; APPLICANT: THE JOHNS HOPKINS UNIVERSITY SCHOOL OF MEDICINE
; APPLICANT: SUKUMAR, Saraswati
; APPLICANT: EYRON, Ella
; APPLICANT: DOOLEY, William C.
; APPLICANT: DAVIDSON, Nancy
; APPLICANT: FRACKER, Mary Jo
; TITLE OF INVENTION: ABRUPTLY METHYLATED GENES AS MARKERS OF BREAST MALIGNANCY
; FILE REFERENCE: J016301
; CURRENT APPLICATION NUMBER: US/10/059,579
; PRIOR FILING DATE: 2003-02-03
; PRIOR APPLICATION NUMBER: US 09/771,357
; NUMBER OF SEQ ID NOS: 136
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 120
; LENGTH: 1794
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (359)..(1794)
; OTHER INFORMATION: n is any nucleotide
US-10-059-579-120

Query Match 61.4%; Score 338.4; DB 45; Length 1794;
Best Local Similarity 97.8%; Pred. No. 6,9e-48;
Matches 354; Conservative 0; Mismatches 6; Indels 2; Gaps 1;
QY 190 GAGGGAAGTCCCTCCACCGCGCCGACGCTGCGAGGGGGCGCTGGGCTCAAGCGCAA 249
Db 812 GAGGGAAGTCCCTCCACCGCGCCGACGCTGCGAGGGGGCGC--TGGGCTCAAGCGCAA 869
QY 250 ACGGAAGTGCAGGGCCGGGAGTGGGCTGCGGAGCAAAAGCGCGGCTGCTCTCAG 309
Db 870 ACGGAAGTGCAGGGCCGGGAGTGGGCTGCGGAGCAAAAGCGCGGCTGCTCTCAG 929
QY 310 AGGGCCCGACGCGCTGCGCAAGAGAAAGTCTCTGAGAGCGCGCGGCGAGGAAGGGGCGAGGG 369
Db 930 AGGGCCCGACGCGCTGCGCAAGAGAAAGTCTCTGAGAGCGCGCGGCGAGGAAGGGGCGAGGG 989
QY 370 CTCTCCAGGAGCGCGCGCGCGAGAGGAAGTTGCGAGAGCGAGCGCGTGAAGCGAGCG 429
Db 990 CTCTCCAGGAGCGCGCGCGCGAGAGGAAGTTGCGAGAGCGAGCGCGTGAAGCGAGCG 1049
QY 430 GGCAGGGCTTCTCAGAGAGCGGGCGAGGCGCGCTGAGAGGGGCGAGAGCGGGGTATA 489


```

Query Match: 29.2%; Score 160.8; DB 38; Length 210;
Best Local Similarity 91.0%; Pred. No. 9,7e-18;
Matches 16; Conservative 0; Mismatches 16; Indels 0; Gaps 0;

OY 374 CCGAGGCCCCCGGCGCGGCGAGAGAGTTGGCCAGGAGGACGAGCGCGTGGAGCGAGCA 433
DB 9 CCANGNCCGCCCGCGCCGCGACAGAGATTGGCCAGGCGACGGCGGTGAGCGGNNGGNCA 68

OY 434 GGGCTTTCAGAGAGCGCGGCGGAGCGCGCGCTGAGAGGGGGGAGAGACGGGTATAGAA 493
DB 69 GGGAGTTTCAGANNNGCGGGGCGAGCGCGCGCTNGAGGGGGCAGAGACCGGATATAGAA 128

OY 494 GCGTCGTGCGCTTGCCCGGGCGAGCGCGCAGTGTCCCGCGCGCCCGCCAGCGCCCGCGGC 551
DB 129 GCGCTCGTGNCTTNC CGGGGAGCGCGAGGTTCCCGCGCGCCCGCGCGCGC 186

RESULT 12
US-09-634-306B-196114/c
; Sequence 196114, Application US/09634306B
; GENERAL INFORMATION:
; APPLICATION: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/09/634,306B
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: 60/146,002
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 196114
; LENGTH: 533
; TYPE: DNA
; ORGANISM: Human
US-09-634-306B-196114

Query Match 26.1%; Score 143.6; DB 27; Length 533;
Best Local Similarity 94.8%; Pred. No. 7.1e-15;
Matches 181; Conservative 0; Mismatches 15; Indels 5; Gaps 3

OY 1 CGGCGGGAGAGCGCGCGGAGTGAGGCGCTGATCGTCCCTGCGGCGCTCACCTCCCAAG 60
DB 189 CGGCGGGAGAGCGCGCGGAGTGAGGCGCTGATCGTCCCTGCGGCGCTCACCTCCCAAG 130

OY 61 CGCAGAAGCGCGCCAGAGAGACCCCGACAGTGTGCACAGTGTGGATACAGAG 120
DB 129 CGCAGAAGCGCGCCAGAGAGACCCCGACAGTGTGCACAGTGTGGATACAGAG 70

OY 121 CAGGAGACGAGGACCCAGAGACTGCGCGCGCCCGCCCTGCTCCCTGGCGAGGAGAGC 179
DB 69 CACGGGACCGAGGAGCCAGAGACTGCGCGCGCC--CGGCTGTGGCGCGA-GGAAGC 14

OY 180 TCCCTACACCG 190
DB 13 TCCCTACACCG 3

RESULT 13
US-10-027-632-196114/c
; Sequence 196114, Application US/10027632

```

```

: GENERAL INFORMATION:
: APPLICANT: Wang, David G.
: TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
: TITLE OF INVENTION: Polymorphisms in the Human Genome
: FILE REFERENCE: 108827.129
: CURRENT APPLICATION NUMBER: US/10/027,632
: PRIOR FILING DATE: 2002-04-30
: PRIOR APPLICATION NUMBER: US 60/218,006
: PRIOR FILING DATE: 2000-07-12
: PRIOR APPLICATION NUMBER: US 60/198,676
: PRIOR FILING DATE: 2000-04-20
: PRIOR APPLICATION NUMBER: US 60/193,483
: PRIOR FILING DATE: 2000-03-29
: PRIOR APPLICATION NUMBER: US 60/185,218
: PRIOR FILING DATE: 2000-02-24
: PRIOR APPLICATION NUMBER: US 60/167,363
: PRIOR FILING DATE: 1999-11-23
: PRIOR APPLICATION NUMBER: US 60/156,358
: PRIOR FILING DATE: 1999-09-28
: PRIOR APPLICATION NUMBER: US 60/146,002
: PRIOR FILING DATE: 1999-08-09
: NUMBER OF SEQ ID NOS: 325720
: SOFTWARE: FastSeq for Windows Version 4.0
: SEQ ID NO: 196114
: LENGTH: 533
: TYPE: DNA
: ORGANISM: Human
US-10-027-632-196114

Query Match          26.1%; Score 143.6; DB 44; Length 533;
Best Local Similarity 94.8%; Pred. No. 7.1e-15;
Matches 181; Conservative 0; Mismatches 5; Indels 5; Gaps 3

QY      1 CGCGCGGGAGGCGCGCGGAGTGAAGCCTGTATCGTCCTCCGTGGCGCCTCACCTCCCCAGG 60
        |||||||
DB      189 CGGCCGGGAGGCGCGCGCGAGTAGGCCTGTATCGTCCTCCGTGGCGCCTCACCTCCCCAGG 130
        |||||||

QY      61 CGCAAGAAGCGCCCAACGAGAGACCCCAGTGCCCGAGCGTTGACCAGGATGGAGTCAAGG 120
        |||||||
DB      129 CGCAAGAAGCGCCCAACGAGAGACCCCAGTAGTCCCGAGCGTTGACCAGGATGGAGTCAAGG 70
        |||||||

QY      121 CA-GGGAGCAGGAGCCAGAGACTGCGCGCCCGCCCTCCCTCCGCGGAGGAGGAAGC 179
        |||||||
DB      69 CACGGAGCAGGAGCAGAGCAGAGACTGCGCGCCCGCCCTCCCTCCGCGGAGGAGGAAGC 14
        |||||||

QY      180 TCCCTCACCCNG 190
        |||||||
DB      13 TCCTCTCACCCG 3
        |||||||

RESULT 14
US-09-770-175-4736
: Sequence 4736, Application US/09770175
: GENERAL INFORMATION:
: APPLICANT: Gearing, David P.
: APPLICANT: Holtzman, Douglas A.
: TITLE OF INVENTION: NOVEL NUCLEIC ACID MOLECULES AND USES
: TITLE OF INVENTION: THEREFOR
: FILE REFERENCE: 1600.2058-001
: CURRENT APPLICATION NUMBER: US/09/770,175
: PRIOR FILING DATE: 2001-01-26
: PRIOR APPLICATION NUMBER: US 60/178,874
: PRIOR FILING DATE: 2000-01-28
: NUMBER OF SEQ ID NOS: 8967
: SOFTWARE: FastSeq for Windows Version 4.0
: SEQ ID NO: 4736
: LENGTH: 624
: TYPE: DNA
: ORGANISM: Homo sapiens
: FEATURE:
: NAME/KEY: misc_feature
: LOCATION: (1)...(624)
: OTHER INFORMATION: n = A,T,C or G

```



```
Db 241 AGACCGCAAGCGAAGGTGCGGGCGGGGCTTCGGGAGACAAAGCGGGCGCTGC 300
OY 301 CTCCTCAGAGGGGCCCGAGGCGCTGCCAAGAGAACTCCTCAGAGCGCCGGGAGGAGG 360
Db 301 CTCCTCAGAGGGGCCCGAGGCGCTGCCAAGAGAACTCCTCAGAGCGCCGGGAGGAGG 360
OY 361 GGGCAGCGGCTTCCAGGGCGCCGCGCGCAGCAGAAAGTTGGCCAGGGCACGGCCGTG 420
Db 361 GGGCAGCGGCTTCCAGGGCGCCGCGCGCAGCAGAAAGTTGGCCAGGGCACGGCCGTG 420
OY 421 AGCGAGCGGGCAGGCGCTTCTCAGAGAGCGCGGGCGAGGCGCGCGCTGGAGGGCGAGGA 480
Db 421 AGCGAGCGGGCAGGCGCTTCTCAGAGAGCGCGGGCGAGGCGCGCGCTGGAGGGCGAGGA 480
OY 481 CCGGCTATTAAGAAAGCTCTGCGCTTCCCGGAGCGCGAGGTTCCCGCGCGCCCGCA 540
Db 481 CCGGCTATTAAGAAAGCTCTGCGCTTCCCGGAGCGCGAGGTTCCCGCGCGCCCGCA 540
OY 541 GCGCGCGCGCC 551
Db 541 GCGCGCGCGCC 551
```

```
RESULT 2
PCT-US03-21379-7/c
; Sequence 7, Application PC/TUS0321379
; GENERAL INFORMATION:
; APPLICANT: EXELIXIS, INC.
; TITLE OF INVENTION: MCHRS AS MODIFIERS OF THE CHK1 PATHWAY AND METHODS OF USE
; FILE REFERENCE: EX03-047C-PC
; CURRENT APPLICATION NUMBER: PCT/US03/21379
; PRIOR FILING DATE: 2003-07-09
; PRIOR APPLICATION NUMBER: US 60/394,845
; PRIOR FILING DATE: 2002-07-10
; PRIOR APPLICATION NUMBER: US 60/410,986
; PRIOR FILING DATE: 2002-09-16
; NUMBER OF SEQ ID NOS: 1100
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO: 7
; LENGTH: 1133
; TYPE: DNA
; ORGANISM: Homo sapiens
PCT-US03-21379-7
```

```
Query Match 9.5%; Score 52.6; DB 1; Length 1133;
Best Local Similarity 49.8%; Pred. No. 0.064;
Matches 160; Conservative 0; Mismatches 159; Indels 2; Gaps 1;
```

```
OY 231 GCGTGGGTCAACCCGAAAGCGAGTGGCGCGGGGTGGCGCTCCGCGGAGCAAAAG 290
Db 410 GCTTTGGCGAGTCCGGAGAGGACAGCGGTGGCTCTTGGCGCGGGAGGGCGCGCG 351
OY 291 CCGGGCTGCTCTCTCAGAGGGCCCCAGCGCTTCCCAAGAGAAAGTCTCTCAGAGGCCG 350
Db 350 CCGGGCGCGCGCGCGCGCGAGCGAGCGAGCGGCTTGGAGAGAGAGCGCGCGAGCG 291
OY 351 GCAGGGAAGGGGCGGCTTCCAGAGGGCGCGCGCGCAGCAGAAAGTTGGCCAGGG 410
Db 290 CCGCGGGGCGGCTCCGGGTCCGCGCGCAGAGTCCGCG--CAGGAATGCTGGGGCAGCA 233
OY 411 CAGGCGCGTGAAGCGAGCGGGCGGCTTCTCAGAGAGCGCGGCGAGCGCGCGCTGGA 470
Db 232 GGTGGGGCGCGCGCGCGCGCGCGCGCGCGCAAAAGCGGGGCGGGGCGGGGGGTG 173
OY 471 GGGCGAGAGACGGGTTAAGAAAGCTCTGCGCTTCCCGGCGAGCGCGAGTTCCCG 530
Db 172 GCGCGGGGCTCCGGGTGAGCGGCTCGGGGCGCGCGCGCGCACATCCAGGCCGGCGG 113
OY 531 GCGCGCGCGAGCGCGCGCGCC 551
Db 112 CCGGGCGCGCGCGCTTCGGGCG 92
```

```
RESULT 3
US-10-425-114A-33423/c
; Sequence 33423, Application US/10425114A
; GENERAL INFORMATION:
; APPLICANT: Liu, Jingdong
; APPLICANT: Zhou, Jihua
; APPLICANT: Kovalic, David K.
; APPLICANT: Screen, Steven E.
; APPLICANT: Tabaska, Jack E.
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with
; FILE REFERENCE: 38-21(53313)B
; CURRENT APPLICATION NUMBER: US/10/425,114A
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 73128
; SEQ ID NO 33423
; LENGTH: 1431
; TYPE: DNA
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: UC-2MFLMO17113E12.FLI
US-10-425-114A-33423
```

```
Query Match 9.5%; Score 52.6; DB 6; Length 1431;
Best Local Similarity 44.7%; Pred. No. 0.066;
Matches 244; Conservative 0; Mismatches 300; Indels 2; Gaps 1;
```

```
OY 8 GGAGCGCGCGGAGTAGAGGCTGATCGTCCCTGGCGCGCTCCACTCCCGCAGCGCAGAA 67
Db 679 GGGCGGCTCTGAGAGGGCGCGCAGCAGCGCGCTCCGCTTCCCGGGGGCTGGC 620
OY 68 GGGCGCGCAGAGAGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 127
Db 619 GGGCTGTCTCTCGCGAGCAGCAGCGGTCTCTCGCGCGCGCGCGCGCGCGCGCGCGCG 560
OY 128 CAGGAGCCAGGAAGTGGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 187
Db 559 TGGCGGGGCGGCTCCCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 500
OY 188 CAGGAGAGCTCCCTTCAACCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 247
Db 499 CCGCGCGCTGGGGGTGGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 440
OY 248 AAGCGAAGGTGGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 307
Db 439 GAGAGCCAGCGGGAAGCGCTCGAGGCTCTCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 380
OY 308 AGAGGGCGCGCGCGCTGCGCAAGAGAAAGTCTCGAGGCGCGCGCGCGCGCGCGCGCGCG 367
Db 379 GGTGGGTCTCTCGAGCAGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 320
OY 368 GGTTCACAGGGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 425
Db 319 CAGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 260
OY 426 AGCGGCGAGGCTTCTCAGAGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 485
Db 259 CGCGCTGAAGGAGTCTTGTGTGGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGAG 200
OY 486 TATAAAGACCTGCGGCGCTTCCCGGGGCGAGCGGAGTTCCCGCGCGCGCGCGCGCGCGCG 545
Db 199 GAGCGCACACAGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 140
OY 546 CCGCGCC 551
Db 139 CCGCGC 134
```

```
RESULT 4
US-60-487-610-19981
; Sequence 19981, Application US/60487610
```

```

GENERAL INFORMATION:
APPLICANT: CARGILL, Michele
APPLICANT: HUANG, Hongjin
TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
TITLE OF INVENTION: LIVER FIBROSIS IN HEPATITIS C VIRUS-INFECTED SUBJECTS,
TITLE OF INVENTION: METHODS OF DETECTION AND USES THEREOF
FILE REFERENCE: CL001469
CURRENT APPLICATION NUMBER: US/60/487,610
CURRENT FILING DATE: 2003-07-17
NUMBER OF SEQ. ID NOS: 97101
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 19981
LENGTH: 147727
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc_feature
LOCATION: (1)...(147727)
OTHER INFORMATION: n = A,T,C or G, or insertion/deletion polymorphism (see Tables 1
US-60-487-610-19981

Query Match          9.5%, Score 52.4; DB 7; Length 147727;
Best Local Similarity 47.8%; Pred. No. 0.13;
Matches 184; Conservative 0; Mismatches 197; Indels 4; Gaps 1;

QY      166 GCGCCGAGGAGAGCTCCCTCACGAGGAAAGCTCCCTCACCCGCGCCAGCCCTGCAGG 225
Db       5998 GGAGCGGGGGAGGGGTGGCGGCTCGATGGGGAGAGCCGCTCCAGAGGGGGCCCCCCTCG 6057
QY      226 GGGCGGCGTGGGGGTGACAGCCCAAGAGTGGCGGGCCGGGGTGGGCTTCGCGAGAGC 285
Db       6058 TGGCCACAGCGCGGCCCCCTTAAAGAGGCCCGCTGCTCCGTCATACCGCGCGCGCCAC 6117
QY      286 AAAGCGCGGCTGCTCTCTCAGAGGGGCCCGAGCGCTCGCAAGAGAAAGTCTCGAAG 345
Db       6118 CTCGCCCGGCGCTCCCTTCCTCCGCGCAAGTGGGGCGCGGCGGGAGT---GCGG 6173
QY      346 CCGCGGAGGAAAGGGGGGACGAGGCTCCAGAGGGCCGCGCGCGAGAGCAAGTTGGC 405
Db       6174 CGAGACCGGCTGCTGACTTAAGCTCCGAGAGAGGGCGGGCGGCGGCGGCGACGCGC 6233
QY      406 CAGGCGACGCGCTGATAGCGAGACCGGAGGCGCTTCTCAGAGAGCGGGCGAGGCGGCG 465
Db       6234 GCGGCGGGGCTGTGGGGCGGTGCGAGCGAGAGCGAGAGCGCGGCGCGTGGGCA 6293
QY      466 CTGAGAGGGCGAGACCGGGTATTAAGAGAGCTTCGTGGCTTCCCGGCGAGCGCGAGTT 525
Db       6294 GAGTGTGGGGGCGGCTGGCGGAGCGAGAGCAAGCGCCGCGCTCGCCGTGGAGAG 6353
QY      526 CCGCGCGCGCCCCCGAGCCCGCGCGC 550
Db       6354 CCGCGCACAAATAGCGGCGCGCGC 6378

RESULT 5
US-60-487-610-1384
; Sequence 1384, Application US/60487610
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele
; APPLICANT: HUANG, Hongjin
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: LIVER FIBROSIS IN HEPATITIS C VIRUS-INFECTED SUBJECTS,
; FILE REFERENCE: CL001469
; CURRENT APPLICATION NUMBER: US/60/487,610
; CURRENT FILING DATE: 2003-07-17
; NUMBER OF SEQ. ID NOS: 97101
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1384
; LENGTH: 4989
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-60-487-610-1384

```

```

Query Match          9.5%: Score 52.2; DB 7; Length 4989;
Best Local Similarity 47.9%: Pred. No. 0.093;
Matches 182; Conservative 0; Mismatches 194; Indels 4; Gaps 1;

OY 171 GAGGGAAGCTCCCTACACNAGGAAAGCTCCCTCCACACCGGGCCAGCCCTGCAGAGGGGGC 230
    |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||
Db 2 GGGGGAAGGGTGGCGCTGCATGGGGAGAGCCGCTCCAGGGGGGGCCCCCGCCCTGTGTC 61
OY 231 GCGTGGGTCAGACCCGAAAGCCAGAGGTGGGGGGGGGGGGGGGCGCTCTCGGGAGACAAAG 290
    |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||
Db 62 ACGGCGGGGGCCCTTTAAGAGGGCCCGCTGCTCTGCATCCGGCCGGGGCCACCTCC 121
OY 291 CCGGGCGCTGCTCTCTCAGAGGGGCCCAAGCGCTTCCCAAGAGAAAGTCTCGAGGGCCGG 350
    |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||
Db 122 CCGGGCGCTCCCTCTCTCGGGGGCCAGAGTGGGGGGGGGGGGAGT-----GGCGCAGA 177
OY 351 GCAGGGAAGGGGGGACGGGCTTCCAGAGGGCCCGCGCCGACAGCAAGTTGGCCAGG 410
    |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||
Db 178 GCGCGCTGGCTGAGACTTAGCGTCCAGAGAGGGCGGGGGGGGGGGGGCGGCGCACGGGGCG 237
OY 411 CACGCGCTGAGCGAGAGCGGAGCGGCGCTTCTCAGAGACGCGGGCGAGAGCGCGCTGCA 470
    |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||
Db 238 CGGGCGTGTGGGGGGGTGCGGGAACGAGAGGCGAGAGCGCGGGCGCGTGGCCAGATC 297
OY 471 GGGGCGAGAGACCGGGTATTAAGAGCGCTGTGGCTTGGCCGGGACCGCGAGTTCCCC 530
    |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||
Db 298 TGGCGCGCGCGCTGGGGGAGCGAGAGACGCGCCGCGCTGCGTGGGAGAGAGCCCG 357
OY 531 CGCGCGCCGAGACCCCGCGCGC 550
    |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||
Db 358 CACACATATAGCGCGCGCGCGC 377

RESULT 6
US-60-485-450-12047/c      : Sequence 12047, Apblication US/60485450
GENERAL INFORMATION:
APPLICANT: CARGILL, Michele
TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
TITLE OF INVENTION: RESPONSE TO INTERFERON TREATMENT IN HEPATITIS C
TITLE OF INVENTION: VIRUS-INFECTED SUBJECTS, METHODS OF DETECTION AND USES
FILE REFERENCE: C1001470
CURRENT APPLICATION NUMBER: US/60/485,450
CURRENT FILING DATE: 2003-07-09
NUMBER OF SEQ ID NOS: 47859
SOFTWARE: FASTSEQ for Windows Version 4.0
SEQ ID NO 12047
LENGTH: 16525
TYPE: DNA
ORGANISM: Homo sapiens
US-60-485-450-12047

Query Match          9.2%: Score 50.6; DB 7; Length 16525;
Best Local Similarity 48.8%: Pred. No. 0.23;
Matches 163; Conservative 0; Mismatches 170; Indels 1; Gaps 1;

OY 152 CCGCGCCCTGCGCTGGCGCGAGGAAAGCTCCCTACACNAGGAAAGTCCCTCAACCGG 211
    |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||
Db 6101 CAGAGCCCAACACAGGGGAAAGGGGGGGCCAGCAGCGTGCAGAGAAACACCGGGAACATGG 604;
    |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||
OY 212 CCGAGCCCTGCAAGGGGGGCGCGTGGGCTACAGCCGAAAGCAAGTGGGGCGCGGGTGT 271
    |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||
Db 6041 CCGCGGCGGAGGGGGGGCCCCCAGAGGCTGACGGGGGGGGGGGGGGGGGGCGCGGGGG 598;
    |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||
OY 272 GGC-CTCGCGAGACAAAGGCGCGGCGCTGCTCTCTCAGAGGCGCCCAAGCGCTCGAAG 330
    |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||
Db 5981 CCGGGGCTCGGGGCGCGCGCCCGCGGGCGGGCGGGCTGGGCGCGCGCGAAGATGGCCGG 592;
    |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||
OY 331 AGCAAGTCTCTCAGAGGCGCGGAGGGAAGGGGGGCACAGGCGCTTCCACAGGGCCGCGGGCG 390
    |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||

```

Db 5921 CGGGCGCCCCCGCCGCGACACCCCGCGGGAGGAGGAAAGAGCGGCTTG 5862
QY 391 CAGCAGAGAGTTGGCCAGAGCGCGCTGAGCGGAGCGGCGCTTCTCAGAGCG 450
Db 5861 CGGGCCCCGAGCGCCCGCGGACGAGCGGCGGCGACGCCCTTGTTGGGGCGGAGCG 5802
QY 451 CGGGCGAGCGCGCGGCGGAGCGGCGGAGCGCG 484
Db 5801 CGCGGGGCGCGGGCGCGGGCGCGGGCGCGCG 5768

RESULT 7
US-10-425-114A-2674/c
; Sequence 2674, Application US/10425114A
; GENERAL INFORMATION:
; APPLICANT: Liu, Jingdong
; APPLICANT: Zhou, Yihua
; APPLICANT: Kovalic, David K.
; APPLICANT: Screen, Steven E.
; APPLICANT: Tabaska, Jack E.
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(5313)B
; CURRENT APPLICATION NUMBER: US/10/425,114A
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 73128
; SEQ ID NO 2674
; LENGTH: 2368
; TYPE: DNA
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: 700220913_FLI
US-10-425-114A-2674

Query Match 9.0%; Score 49.8; DB 6; Length 2368;
Best Local Similarity 45.0%; Pred. No. 0.25; Indels 1; Gaps 1;
Matches 224; Conservative 0; Mismatches 273; Indels 1; Gaps 1;
QY 37 CCTGCGCCTCCACTCCCGAGCGCAGAGCGCCCGACGAGACCCCGAGTCCCGAC 96
Db 892 CTCGAGGCGCCAAAGAGCGAGCGCTCGCGCGACCTTCTGCGGCGCCCAATCTGCGC 833
QY 97 GTTGCAGAGGCTTGGGATCAGAGCGAGGACCAAGGAGCCAGAACTGCGCGCGCCG 156
Db 832 AGTAGAGCGCTCGGAGGAGCAAGCAGCGGCGGAGGAGCGCTCCACCGCGGAGCTGC 773
QY 157 CCTGCGCCTCGGCGAGGAGAACTCCCTCAGCAGAGGAAAGTCCCTCAGCCGCGCCAG 216
Db 772 CGAGGCGAGCGCCGATGAGGAGATGAGCGCGGCTTGTGAGCGCGCGCTGCGGAG 713
QY 217 CCTGCGAGGAGCGCTGAGGATCAGACCGCAAGAGAGAGTCCCTCAGCCGCGCGCT 276
Db 712 GAGCTTGTAGAGGCGGAGGAGAGCGCGAGCTGAGTGCAGAGTCTGCGGCTC 653
QY 277 CGCGGAGAGCAAGAGCGCGCTCTCTCAGAGGAGCGCCAGCGCTGCGCAAGAGAG 336
Db 652 CGAGGCTCGAGCGGCGGCGGCGGAGCGCGGCGGCGGCGAGTGGCGCACTGCTCG 593
QY 337 TCCCGAGGCGCGGCGGAGAGGAGGAGCGGCTTCCAGCGGCGCGCGCGCGCGCG 395
Db 592 CTGCTGAGAGCGCGCTCGGCGAGCGGCGGCGGCGGCGGCGGCGGCGCGCGCGCG 533
QY 396 GGAAGTTGGCCAGGAGCGCGCTGAGCGGAGCGGCGGAGGCTTCTCAGAGAGCGGCG 455
Db 532 CGCGCGGCGCGCGCGCGCTGAGAGCGGCGGCGGCGGCGGAGAGTCTGCGGCGGAG 473
QY 456 GAGCGCGCGCTGAGAGGCGGAGAGCGGAGCGGAGTATGAAGAGCTTGTGCGCGCGG 515
Db 472 GCGCGCGAGCGCGCGCGCGCGAGGAGCTTGGGCGAGCGGCGGCGGCGGCGGCGG 413
QY 516 GCGCGAGTTCGCCGCGC 533

Db 412 CTCCCCGCGAGAGCGCG 395

RESULT 8
US-09-897-516A-4197/c
; Sequence 4197, Application US/09897516A
; GENERAL INFORMATION:
; APPLICANT: Corbin, David R.
; APPLICANT: Goldman, Barry S.
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Huesing, Joseph E.
; APPLICANT: Malvar, Thomas M.
; APPLICANT: Rasomil-Osterfeld, Karina C.
; APPLICANT: Slater, Steven C.
; APPLICANT: Spiridonov, Sergei
; TITLE OF INVENTION: Xenorhabdus sp. Genome Sequences And Uses Thereof
; FILE REFERENCE: 38-21(51847)B
; CURRENT APPLICATION NUMBER: US/09/897,516A
; CURRENT FILING DATE: 2001-06-29
; PRIOR APPLICATION NUMBER: US 60/215,161
; PRIOR FILING DATE: 2000-06-30
; NUMBER OF SEQ ID NOS: 8415
; SEQ ID NO 4197
; LENGTH: 1215
; TYPE: DNA
; ORGANISM: Xenorhabdus sp.
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)...(1215)
; OTHER INFORMATION: unsure at all n locations
US-09-897-516A-4197

Query Match 9.0%; Score 49.6; DB 5; Length 1215;
Best Local Similarity 45.0%; Pred. No. 0.25; Indels 0; Gaps 0;
Matches 127; Conservative 0; Mismatches 132; Indels 0; Gaps 0;
QY 221 CGAGGGGGCGCGTGGGTGACAGCGCAAGAGAGTGGCGCGCGGCGGCTTCGCG 280
Db 779 GCGGGGAGGG 720
QY 281 GAGACAAAGAGCGCGCTGCTCTCTCAGAGGCGCCCGACGAGCGCTCCAGAGAGTCT 340
Db 719 GGTGCGGCGCGCGGTGGGTGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGG 660
QY 341 CGAGCGCGGCGAGAGGAGGAGCGAGCGGCTTCCAGAGGCGCGCGCGCGCGAGAG 400
Db 659 GGG 600
QY 401 TTGGCAGAGGCGAGCGCGTGAAGCGAGCGGAGCGGCGCTTCTCAGAGCGCGGCGAG 460
Db 599 GGGCGGG 540
QY 461 CGCGCTGAGAGGCGAGG 479
Db 539 CGGGGGGGGGGGGGGGGGGG 521

RESULT 9
PCT-US03-26780-822/c
; Sequence 822, Application PCT/US0326780
; GENERAL INFORMATION:
; APPLICANT: FIVERKINE THERAPEUTICS, INC.
; TITLE OF INVENTION: HUMAN POLYPEPTIDES ENCODED BY POLYNUCLEOTIDES AND METHODS OF
; FILE REFERENCE: 08940.0014-00304
; CURRENT FILING DATE: 2003-08-28
; PRIOR APPLICATION NUMBER: PCT/US03/26780
; PRIOR FILING DATE: 2002-08-28
; PRIOR APPLICATION NUMBER: 60/406,616
; PRIOR FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: 60/406,579
; PRIOR FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: 60/406,655
; PRIOR FILING DATE: 2002-08-29


```

: Sequence 193, Application PC/TUS0311231
: GENERAL INFORMATION:
: APPLICANT: Corixa Corporation
: APPLICANT: Day, Craig H.
: APPLICANT: Hosken, Nancy A.
: APPLICANT: Parsons, Joseph M.
: TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE DIAGNOSIS AND
: FILE REFERENCE: 210121.53801PC
: CURRENT APPLICATION NUMBER: PCT/US03/11231
: NUMBER OF SEQ ID NOS: 267
: SOFTWARE: FASTSEQ for Windows Version 4.0
: SEQ ID NO 193
: LENGTH: 3957
: TYPE: DNA
: ORGANISM: HSV2
: PCT-US03-11231-193

```

Query Match 8.7%; Score 47.8; DB 1; Length 3957;
 Best Local Similarity 46.3%; Pred. No. 0.67;
 Matches 157; Conservative 0; Mismatches 182; Indels 0; Gaps 0;

```

QY 209 CGGCCAGCCCTGACAGGGGGCGCGTGGGCTCAGACCCGAAAGCGAGTGGGGCCGG 268
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 2543 CGGGTACGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 2484
QY 269 GTGGGCTCGCGGACCAAGAGCGCGCGCTGCTCTCAGAGGGCGCCAGCGCTGCCA 328
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 2483 GCGCCCGCGGAGGGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCTCC 2424
QY 329 AGAGAGAGTCTCGAGAGCGCGCGCGCGCGAGAGGGGGGACAGGCTTCCAGGCGCCG 388
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 2423 CGCGGGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCTTCCG 2364
QY 389 CGCAGAGAGATTTGGCCAGGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 448
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 2363 CGCGCGCGCGAGGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 2304
QY 449 CGCGCGCGAGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 508
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 2303 GGGCGCGCGCTGTGCTTCTGGAAGACAGTCCGGCGCGCGCGCGCGCGCGCGCTCAGC 2244
QY 509 CGGGCAGCGCGAGCTTCCCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 547
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 2243 AGGCGCGGCTCGCGCGAGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 2205

```

```

RESULT 13
US-10-425-114A-26227
: Sequence 26227, Application US/10425114A
: GENERAL INFORMATION:
: APPLICANT: Liu, Jindong
: APPLICANT: Zhou, Yihua
: APPLICANT: Kovalic, David K.
: APPLICANT: Screen, Steven E
: APPLICANT: Tabaska, Jack E
: APPLICANT: Cao, Yongwei
: TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
: FILE REFERENCE: 38-21(5313)B
: CURRENT APPLICATION NUMBER: US/10/425,114A
: NUMBER OF SEQ ID NOS: 73128
: SEQ ID NO 26227
: LENGTH: 2463
: TYPE: DNA
: ORGANISM: Homo sapiens
: FEATURE:
: OTHER INFORMATION: Clone ID: LIB4118-190-H1_FLI
US-10-425-114A-26227

```

Query Match 8.6%; Score 47.6; DB 6; Length 2463;

```

Best Local Similarity 47.6%; Pred. No. 0.69;
Matches 140; Conservative 0; Mismatches 154; Indels 0; Gaps 0;
QY 258 TGGCGCGCGGGGTGGGCTCGCGGACCAAGAGCGCGGCTGCTCTCAGAGGCGCC 317
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 243 TTGCTCGCGGCTCGGACCTCCGAGGCGAGGCGAGTCCCTGAGCTTGGCGCGCCG 302
QY 318 AGCCCTGCGCAAGAGAGTCTCGAGGCGCGCGGCGAGGAGGCGGCGGCTTCCAG 377
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 303 GGTCCGCGCGGTGCGGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 362
QY 378 GCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 437
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 363 GAGGTGAGGCTATTCCCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 422
QY 438 TTCTCAGAGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 497
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 423 CGCTGATGAGCTGCTCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 482
QY 498 CGTGGCTTCCCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 551
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 483 CGGCCCTGTCCAGAGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 536

```

```

RESULT 14
US-10-425-114A-26232
: Sequence 26232, Application US/10425114A
: GENERAL INFORMATION:
: APPLICANT: Liu, Jindong
: APPLICANT: Zhou, Yihua
: APPLICANT: Kovalic, David K.
: APPLICANT: Screen, Steven E
: APPLICANT: Tabaska, Jack E
: APPLICANT: Cao, Yongwei
: TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
: FILE REFERENCE: 38-21(5313)B
: CURRENT APPLICATION NUMBER: US/10/425,114A
: NUMBER OF SEQ ID NOS: 73128
: SEQ ID NO 26232
: LENGTH: 2475
: TYPE: DNA
: ORGANISM: Homo sapiens
: FEATURE:
: OTHER INFORMATION: Clone ID: LIB4119-019-H6_FLI
US-10-425-114A-26232

```

```

Query Match 8.6%; Score 47.6; DB 6; Length 2475;
Best Local Similarity 47.6%; Pred. No. 0.69;
Matches 140; Conservative 0; Mismatches 154; Indels 0; Gaps 0;
QY 258 TGGCGCGCGGGGTGGGCTCGCGGACCAAGAGCGCGGCTGCTCTCAGAGGCGCC 317
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 243 TTGCTCGCGGCTCGGACCTCCGAGGCGAGGCGAGTCCCTGAGCTTGGCGCGCCG 302
QY 318 AGCCCTGCGCAAGAGAGTCTCGAGGCGCGCGGCGAGGAGGCGGCGGCTTCCAG 377
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 303 GGTCCGCGCGGTGCGGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 362
QY 378 GCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 437
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 363 GAGGTGAGGCTATTCCCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 422
QY 438 TTCTCAGAGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 497
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 423 CGCTGATGAGCTGCTCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 482
QY 498 CGTGGCTTCCCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 551
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 483 CGGCCCTGTCCAGAGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 536

```

```
RESULT 15
; Sequence 16806, Application US/60495114
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele
; TITLE OF INVENTION: POLYMORPHISMS IN NUCLEIC ACID MOLECULES
; TITLE OF INVENTION: ENCODING HUMAN PROTEASE PROTEINS, METHODS OF DETECTION AND
; TITLE OF INVENTION: USES THEREOF
; FILE REFERENCE: CL001480
; CURRENT APPLICATION NUMBER: US/60/495,114
; CURRENT FILING DATE: 2003-08-15
; NUMBER OF SEQ ID NOS: 91238
; SOFTWARE: FASTSEQ for Windows Version 4.0
; SEQ ID NO 16806
; LENGTH: 27991
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)..(27991)
; OTHER INFORMATION: n = A,T,C or G, or insertion/deletion polymorphism (see Tables 1-
US-60-495-114-16806
```

Query Match 8.5%; Score 46.6; DB 7; Length 27991;

Best Local Similarity 49.5%; Pred. No. 1.5; Mismatches 149; Indels 1; Gaps 1;

Matches 147; Conservative 0; Mismatches 149; Indels 1; Gaps 1;

```
OY 204 TCACCCGCGCCAGCCCTGTCAGAGGGGGGGGGTGTGACACCGCAAGCGAAGTGGCGG 263
    ||||| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
DB 25578 TCCACCCCGCCAGCCCGCCCGCCCGCCAGAGGGGGGGCGGACCGCTCAGCCCGCGGTGCT 25519
    ||||| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
OY 264 CCGGGGTGGGCTTCGGGAGACAAAGCCGGGCTGCTCTCTCAGAGGGGCCCGACGGCC 323
    ||||| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
DB 25518 GAGGAGCCCGTGGGCGGGGCGCGGTGTGGGCTTCCGTACCCCGCGCCCGCTGGCTC 25459
    ||||| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
OY 324 TCCAGAGGAGTCTCTGAGGCCCGGGCAGAGGGGCGACAGGGCTTCCAGAGGGCCG 383
    ||||| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
DB 25458 CGCCCTCGCAAGACCGCGCGCGCTTCCGGGCGCTTGGCGGCGCGGAGCCGAGGGGG 25399
    ||||| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
OY 384 CCGGCCCGAGAGGATTTGAGGCGACGGCCGTGAGCGGAGCGGGCGAGG-CTTCT 442
    ||||| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
DB 25398 GGGAGGTGACCCGGGGGGGGGAGCCAGCGGGGGCGCGCGGAGGCGACCATGC 25339
    ||||| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
OY 443 CAGGAGCGCGGGCGAGGCGCGGCTGAGGGGCGAGGACCGGTATAGAGCCTCG 499
    ||||| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
DB 25338 GCGGCGGGGGGCGATCTCGGCGCGGGCGGTGTGCCGAGTGAACACCCCG 25282
    ||||| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
```

Search completed: September 20, 2003, 03:15:44
Job time : 116.54 secs

1. The first part of the document is a list of names and addresses of the members of the committee.

2. The second part of the document is a list of names and addresses of the members of the committee.

3. The third part of the document is a list of names and addresses of the members of the committee.

4. The fourth part of the document is a list of names and addresses of the members of the committee.

5. The fifth part of the document is a list of names and addresses of the members of the committee.

6. The sixth part of the document is a list of names and addresses of the members of the committee.

7. The seventh part of the document is a list of names and addresses of the members of the committee.

8. The eighth part of the document is a list of names and addresses of the members of the committee.

9. The ninth part of the document is a list of names and addresses of the members of the committee.

10. The tenth part of the document is a list of names and addresses of the members of the committee.

11. The eleventh part of the document is a list of names and addresses of the members of the committee.

12. The twelfth part of the document is a list of names and addresses of the members of the committee.

13. The thirteenth part of the document is a list of names and addresses of the members of the committee.

14. The fourteenth part of the document is a list of names and addresses of the members of the committee.

15. The fifteenth part of the document is a list of names and addresses of the members of the committee.

16. The sixteenth part of the document is a list of names and addresses of the members of the committee.

17. The seventeenth part of the document is a list of names and addresses of the members of the committee.

18. The eighteenth part of the document is a list of names and addresses of the members of the committee.

19. The nineteenth part of the document is a list of names and addresses of the members of the committee.

20. The twentieth part of the document is a list of names and addresses of the members of the committee.

21. The twenty-first part of the document is a list of names and addresses of the members of the committee.

22. The twenty-second part of the document is a list of names and addresses of the members of the committee.

23. The twenty-third part of the document is a list of names and addresses of the members of the committee.

24. The twenty-fourth part of the document is a list of names and addresses of the members of the committee.

25. The twenty-fifth part of the document is a list of names and addresses of the members of the committee.

[illegible]

FEATURES
source

Location/Qualifiers

1. 473
/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
/clone="IMAGE:5752038"
/lab_host="DH10B"
/clone.lib="NIH_MGC_115"
/note="Organ: pooled brain, lung, testis; Vector: pCMV-Sport6; Site: 1: NotI; Site 2: EcoRV (destroyed); RNA source anonymous pool of 6 male brains, age range 23-27; 1 male lung, age 27; and 1 male testis, age 69. Library is oligo-dT primed and directionally cloned (EcoRV site is destroyed upon cloning). Average insert size 1.8 kb, insert size range 1-3 kb. Library is normalized and enriched for full-length clones and was constructed by C. Gruber (Invitrogen). Research Genetics tracking code 021. Note: this is a NIH_MGC Library."

BASE COUNT
ORIGIN

93 a 161 c 146 g 73 t

Query Match 99.0%; Score 308.8; DB 12; Length 473; Indels 0; Gaps 0;
Best Local Similarity 99.4%; Pred. No. 1.2e-50;
Matches 310; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

1 ATGAAGCTCGCGCCCTCTCTGCGGCTCTGCGTCCCTGCTGCAAGTCCGCTGCT 60
7 ATGAAGCTCGCGCCCTCTCTGCGGCTCTGCGTCCCTGCTGCAAGTCCGCTGCT 66
61 TTCTTAAGTGGCTCGGCAAGCTGTGGCCAGCTGTGCTGCTGCTGAGTGGCGG 120
67 TTCTTAAGTGGCTCGGCAAGCTGTGGCCAGCTGTGCTGCTGCTGAGTGGCGG 126
121 GAGGCGGCGGCGGCAAGCTGTGGCCAGCTGTGCTGCTGCTGAGTGGCGG 180
127 GAGGCGGCGGCGGCAAGCTGTGGCCAGCTGTGCTGCTGCTGAGTGGCGG 186
181 CTGAGCAGCTGTGGCGCATCCCGTGAACACCTCATAGAGGCTCCCAAGAGTGTGCT 240
187 CTGAGCAGCTGTGGCGCATCCCGTGAACACCTCATAGAGGCTCCCAAGAGTGTGCT 246
241 GAGCTGGTCCCGAGGCGGTGGGGCGGTGAAGGCGCTGCTGAGGCGGCTG 300
247 GAGCTGGTCCCGAGGCGGTGGGGCGGTGAAGGCGCTGCTGAGGCGGCTG 306
301 ACAGTGTGGG 312
307 ACAGTGTGGG 318

RESULT 2
LOCUS BM920794 473 bp mRNA linear EST 12-MAR-2002
DEFINITION AGENCOURT 6705953 NIH_MGC_115 Homo sapiens cDNA clone IMAGE:5752039
5', mRNA sequence.
ACCESSION BM920794
VERSION BM920794.1 GI:19371173
KEYWORDS EST
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens

REFERENCE 1 (bases 1 to 473)
AUTHORS NIH-MGC http://mgc.nci.nih.gov/
TITLE National Institutes of Health, Mammalian Gene Collection (MGC)
JOURNAL Unpublished
COMMENT Contact: Robert Strausberg, Ph.D.
Email: cgapbs-f@mail.nih.gov
Tissue Procurement: Life Technologies, Inc.
CDNA Library Preparation: Life Technologies, Inc.
DNA Sequencing by: Agencourt Bioscience Corporation
Clone distribution: MGC clone distribution information can be

FEATURES
source

Location/Qualifiers

found through the I.M.A.G.E. Consortium/LLNL at:
http://image.llnl.gov
Plate: LLAM12785 row: 3 column: 08
High quality sequence stop: 474.

BASE COUNT
ORIGIN

92 a 161 c 147 g 73 t

Query Match 99.0%; Score 308.8; DB 12; Length 473; Indels 0; Gaps 0;
Best Local Similarity 99.4%; Pred. No. 1.2e-50;
Matches 310; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

1 ATGAAGCTCGCGCCCTCTCTGCGGCTCTGCGTCCCTGCTGCAAGTCCGCTGCT 60
7 ATGAAGCTCGCGCCCTCTCTGCGGCTCTGCGTCCCTGCTGCAAGTCCGCTGCT 66
61 TTCTTAAGTGGCTCGGCAAGCTGTGGCCAGCTGTGCTGCTGCTGAGTGGCGG 120
67 TTCTTAAGTGGCTCGGCAAGCTGTGGCCAGCTGTGCTGCTGCTGAGTGGCGG 126
121 GAGGCGGCGGCGGCAAGCTGTGGCCAGCTGTGCTGCTGCTGAGTGGCGG 180
127 GAGGCGGCGGCGGCAAGCTGTGGCCAGCTGTGCTGCTGCTGAGTGGCGG 186
181 CTGAGCAGCTGTGGCGCATCCCGTGAACACCTCATAGAGGCTCCCAAGAGTGTGCT 240
187 CTGAGCAGCTGTGGCGCATCCCGTGAACACCTCATAGAGGCTCCCAAGAGTGTGCT 246
241 GAGCTGGTCCCGAGGCGGTGGGGCGGTGAAGGCGCTGCTGAGGCGGCTG 300
247 GAGCTGGTCCCGAGGCGGTGGGGCGGTGAAGGCGCTGCTGAGGCGGCTG 306
301 ACAGTGTGGG 312
307 ACAGTGTGGG 318

RESULT 3
LOCUS BM977626 490 bp mRNA linear EST 21-FEB-2003
DEFINITION UI-CF-EN1-ref-o-13-0-UI-s1 UI-CF-EN1 Homo sapiens cDNA clone
UI-CF-EN1-ref-o-13-0-UI 3', mRNA sequence.
ACCESSION BM977626
VERSION BM977626.1 GI:19596235
KEYWORDS EST
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens

REFERENCE 1 (bases 1 to 490)
AUTHORS Mammalia; Euthera; Primates; Catarrhini; Homiidae; Homo.
TITLE Normalization and subtraction: two approaches to facilitate gene
discovery
JOURNAL Genome Res. 6 (9), 791-806 (1996)
MEDLINE 97044477
PUBMED 8889548

COMMENT

Contact: McCray, PB
McCray Lab
University of Iowa
2024 University of Iowa Med Labs, Iowa City, IA 52242, USA
Tel: 319 356 4866
Fax: 319 356 7171
Email: paul-mccray@uiowa.edu
Tissue Procurement: Dr. M. J. Welsh, University of Iowa
CDNA Library Preparation: Dr. M. Bento Soares, University of Iowa
CDNA Library Arrayed by: Dr. M. Bento Soares, University of Iowa
DNA Sequencing by: Dr. M. Bento Soares, University of Iowa
Clone Distribution: Researchers may obtain clones from Research Genetics (www.resgen.com) or from Open Biosystems (www.openbiosystems.com).
The following repetitive elements were found in this cDNA sequence: 459-484, >GC-rich#low_complexity
Seq primer: M13 FORWARD
POLY-A=yes.

FEATURES

source

1..490
/location=Qualifiers
/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
/clone="UI-CF-EN1:aef-o-13-0-UI"
/tissue_type="Primary Lung Cystic Fibrosis Epithelial Cells"
/dev_stage="Adult"
/lab_host="DH10B (Life Technologies) (T1 phage resistant)"
/note="Organ: Lung; Vector: pT73-Pac (Pharmacia) with a modified polylinker; Site_1: EcoR I; Site_2: Not I; UI-CF-EN1 is a normalized cDNA library containing the following tissue(s): Primary Lung Cystic Fibrosis Epithelial Cells. The library was constructed according to Bonaldi, Lennon and Soares, Genome Research, 6:791-806, 1996. First strand cDNA synthesis was primed with an oligo-dT primer containing a Not I site. Double stranded cDNA was ligated to an EcoR I adaptor, digested with Not I, and cloned directionally into pT73-Pac vector. The oligonucleotide used to prime the synthesis of the first-strand cDNA contains a library tag sequence that is located between the Not I site and the (dT)18 tail. The sequence tag for this library is CTCCTCAGGT.
TAG_L1IB=UI-CF-EN1
TAG_TISSUE=Human Lung Epithelial Cell lines untreated LPS 6hr to LPS 24h
TAG_SEQ=CTGCTCAGGT"

BASE COUNT

73 a 154 c 175 g 88 t

Query Match 99.0%; Score 308.8; DB 12; Length 490;
Best Local Similarity 99.4%; Pred. No. 1.2e-50;
Matches 310; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

1 ATGAAGCTGCGCGCCCTCTGCGTGGCGCCCTGTCCTGACAGCTCCGCTGCT 60
Db ATGAAGCTGCGCGCCCTCTGCGTGGCGCCCTGTCCTGACAGCTCCGCTGCT 399
61 TTCTTAGTGGGCTGGCGCAAGCTGTGGCCAGCTGTGCTGCGTGGAGTGGGCGC 120
Db TTCTTAGTGGGCTGGCGCAAGCTGTGGCCAGCTGTGCTGCGTGGAGTGGGCGC 339
398 TTCTTAGTGGGCTGGCGCAAGCTGTGGCCAGCTGTGCTGCGTGGAGTGGGCGC 339
121 GAGGCGGGGCGGAGCCCTGCGCAACCCCTGGGCAACCCCTGAAGGCTCTG 180
Db GAGGCGGGGCGGAGCCCTGCGCAACCCCTGGGCAACCCCTGAAGGCTCTG 279
338 GAGGCGGGGCGGAGCCCTGCGCAACCCCTGGGCAACCCCTGAAGGCTCTG 279
181 CTGAGCAGCTGGGCAATCCCGTGCAACCTCATAGAGGCTCCGAAAGTGTGGCT 240
Db CTGAGCAGCTGGGCAATCCCGTGCAACCTCATAGAGGCTCCGAAAGTGTGGCT 219
278 CTGAGCAGCTGGGCAATCCCGTGCAACCTCATAGAGGCTCCGAAAGTGTGGCT 219
241 GAGCTGGGTCCTCCAGAGCCGTGGGGCGGTGAAGGCCCTGAAGGCCCTGCTGGGCGCCTG 300
Db GAGCTGGGTCCTCCAGAGCCGTGGGGCGGTGAAGGCCCTGAAGGCCCTGCTGGGCGCCTG 159

RESULT 4
LOCUS B1818715
DEFINITION B1818715
ACCESSION B1818715
VERSION B1818715.1
KEYWORDS B1818715.1 GI:15930265
SOURCE EST.
ORGANISM Homo sapiens (human)
Homo sapiens
Eukaryota; Metazoa; Chordata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominoidea; Homo.
REFERENCE 1 (bases 1 to 496)
AUTHORS NIH-MGC
TITLE NIH-MGC
JOURNAL National Institutes of Health, Mammalian Gene Collection (MGC)
COMMENT Contact: Robert Strausberg, Ph.D.
Email: gscaps-remail.nih.gov
Tissue Procurement: Life Technologies, Inc.
CDNA Library Preparation: Life Technologies, Inc.
CDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
DNA Sequencing by: Incyte Genomics, Inc.
Clone distribution: MGC clone distribution information can be found through the I.M.A.G.E. Consortium/LLNL at:
http://image.llnl.gov
Plate: L1AM1445 row: e column: 09
High quality sequence stop: 471.
Location/Qualifiers
1..496
/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
/clone="IMAGE:5178608"
/lab_host="DH10B"
/clone_lib="NIH-MGC-115"
/note="Organ: Pooled brain, lung, testis; Vector: pCMV-SPORT6; Site_1: NotI; Site_2: EcoRV (destroyed); RNA source anonymous pool of 6 male brains, age range 23-27; 1 male lung, age 27; and 1 male testis, age 69. Library is oligo-dT primed and directionally cloned (EcoRV site is destroyed upon cloning). Average insert size 1.8 kb, insert size range 1-3 kb. Library is normalized and enriched for full-length clones and was constructed by C. Gruber (Invitrogen) Research Genetics tracking code 021. Note: this is a NIH-MGC Library."

BASE COUNT

93 a 176 c 153 g 74 t

Query Match 99.0%; Score 308.8; DB 12; Length 496;
Best Local Similarity 99.4%; Pred. No. 1.2e-50;
Matches 310; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

1 ATGAAGCTGCGCGCCCTCTGCGTGGCGCCCTGTCCTGACAGCTCCGCTGCT 60
Db ATGAAGCTGCGCGCCCTCTGCGTGGCGCCCTGTCCTGACAGCTCCGCTGCT 83
24 ATGAAGCTGCGCGCCCTCTGCGTGGCGCCCTGTCCTGACAGCTCCGCTGCT 83
61 TTCTTAGTGGGCTGGCGCAAGCTGTGGCCAGCTGTGCTGCGTGGAGTGGGCGC 120
Db TTCTTAGTGGGCTGGCGCAAGCTGTGGCCAGCTGTGCTGCGTGGAGTGGGCGC 143
84 TTCTTAGTGGGCTGGCGCAAGCTGTGGCCAGCTGTGCTGCGTGGAGTGGGCGC 143
121 GAGGCGGGGCGGAGCCCTGCGCAACCCCTGGGCAACCCCTGAAGGCTCTG 180
Db GAGGCGGGGCGGAGCCCTGCGCAACCCCTGGGCAACCCCTGAAGGCTCTG 203
144 GAGGCGGGGCGGAGCCCTGCGCAACCCCTGGGCAACCCCTGAAGGCTCTG 203
181 CTGAGCAGCTGGGCAATCCCGTGCAACCTCATAGAGGCTCCGAAAGTGTGGCT 240
Db CTGAGCAGCTGGGCAATCCCGTGCAACCTCATAGAGGCTCCGAAAGTGTGGCT 263

QY 241 GAGCTGGGTCCTCCAGGCGCTGGGGGCGCTGAAGGCGCTGTCGTCGGGGGCGCTTG 300
 Db 264 GAGCTGGGTCCTCCAGGCGCTGGGGGCGCTGAAGGCGCTGTCGTCGGGGGCGCTTG 323
 QY 301 ACAGTGTGGC 312
 Db 324 ACAGTGTGGC 335
 RESULT 5
 LOCUS B1769722 1004 bp mRNA linear EST 25-SEP-2001
 DEFINITION 603055021F1 NIH_MGC_122 Homo sapiens cDNA clone IMAGE:5204452 5',
 mRNA sequence.
 VERSION B1769722
 KEYWORDS EST, B1769722.1 GI:15761287
 SOURCE Homo sapiens (human)
 ORGANISM Homo sapiens
 REFERENCE Mammalia; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 AUTHORS Mammalia; Eutheria; Primates; Catarrhini; Homidae; Homo.
 TITLE NIH-MGC http://mgi.nci.nih.gov/
 JOURNAL National Institutes of Health, Mammalian Gene Collection (MGC)
 COMMENT Unpublished
 Contact: Robert Strausberg, Ph.D.
 Email: cgabbs-remail.nih.gov
 Tissue Procurement: Life Technologies, Inc.
 cDNA Library Preparation: Life Technologies, Inc.
 DNA Sequencing by: Incyte Genomics, Inc.
 Clone distribution: MGC clone distribution information can be
 found through the I.M.A.G.E. Consortium/LLNL at:
 http://image.llnl.gov
 Plate: LLM11512 row: j column: 05
 High quality sequence start: 3
 High quality sequence stop: 416.
 Location/Qualifiers
 1..1004
 /organism="Homo sapiens"
 /mol_type="mRNA"
 /db_xref="taxon:9606"
 /clone="IMAGE:5204452"
 /lab_host="DH10B"
 /clone.lib="NIH_MGC_122"
 /note="Organ: pooled lung and spleen; Vector: PCMV-SPORT6;
 Site: 1: NotI; Site 2: EcoRV (destroyed); RNA source
 anonymous pool of 24 week female lung, 16 week female
 spleen, and 20-22 week male spleens. Library is oligo-dT
 primed and directionally cloned (EcoRV site is destroyed
 upon cloning). Average insert size 1.4 kb, insert size
 range 1-3 kb. Library is normalized and enriched for
 full-length clones and was constructed by C. Gruber
 (Invitrogen). Research Genetics tracking code 026. Note:
 this is a NIH_MGC Library."

FEATURES
 source
 1..1004
 /organism="Homo sapiens"
 /mol_type="mRNA"
 /db_xref="taxon:9606"
 /clone="IMAGE:5204452"
 /lab_host="DH10B"
 /clone.lib="NIH_MGC_122"
 /note="Organ: pooled lung and spleen; Vector: PCMV-SPORT6;
 Site: 1: NotI; Site 2: EcoRV (destroyed); RNA source
 anonymous pool of 24 week female lung, 16 week female
 spleen, and 20-22 week male spleens. Library is oligo-dT
 primed and directionally cloned (EcoRV site is destroyed
 upon cloning). Average insert size 1.4 kb, insert size
 range 1-3 kb. Library is normalized and enriched for
 full-length clones and was constructed by C. Gruber
 (Invitrogen). Research Genetics tracking code 026. Note:
 this is a NIH_MGC Library."

BASE COUNT 311 a 163 g 113 t
 ORIGIN
 Query Match 99.0%; Score 308.8; DB 12; Length 1004;
 Best Local Similarity 99.4%; Pred. No. 1.3e-50;
 Matches 310; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
 QY 1 ATGAAGCTCGCCGCTCTGAGGAGCTGAGGCGCTGTCGACGCTCCGCTGCTGCT 60
 Db 23 ATGAAGCTCGCCGCTCTGAGGAGCTGAGGCGCTGTCGACGCTCCGCTGCTGCT 82
 QY 61 TTCTTAGTGGGCTCGGCGCAAGCTGTGGCGCAGCTGTGGCGCTGGCGAGTCGGCGGG 120
 Db 83 TTCTTAGTGGGCTCGGCGCAAGCTGTGGCGCAGCTGTGGCGCTGGCGAGTCGGCGGG 142
 QY 121 GAGCCGCGGCGCGGCGCTGTGGCGCAAGCTGTGGCGCAGCTGTGGCGCTGTGGCGCTG 180

Db 143 GAGGCCGGGGGCGGAGCTGGCCACCCCTCGGCGACCTCAACCGCGCTGAAGCTCTCG 202
 QY 181 CTGAGCAGCCTCGGCGATCCCGCTGAACACCTCATAGAGGAGTCCCGAGAGTGTGGCT 240
 Db 203 CTGAGCAGCCTCGGCGATCCCGCTGAACACCTCATAGAGGAGTCCCGAGAGTGTGGCT 262
 QY 241 GAGCTGGGTCCTCCAGGCGCTGGGGGCGCTGAAGGCGCTGTCGTCGGGGGCGCTTG 300
 Db 263 GAGCTGGGTCCTCCAGGCGCTGGGGGCGCTGAAGGCGCTGTCGTCGGGGGCGCTTG 322
 QY 301 ACAGTGTGGC 312
 Db 323 ACAGTGTGGC 334
 RESULT 6
 LOCUS B0067622 1059 bp mRNA linear EST 02-APR-2002
 DEFINITION AGENCOURT-6759083 NIH_MGC_115 Homo sapiens cDNA clone IMAGE:5755192
 5', mRNA sequence.
 VERSION B0067622
 KEYWORDS EST, B0067622.1 GI:19896668
 SOURCE Homo sapiens (human)
 ORGANISM Homo sapiens
 REFERENCE Mammalia; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 AUTHORS Mammalia; Eutheria; Primates; Catarrhini; Homidae; Homo.
 TITLE NIH-MGC http://mgi.nci.nih.gov/
 JOURNAL National Institutes of Health, Mammalian Gene Collection (MGC)
 COMMENT Unpublished
 Contact: Robert Strausberg, Ph.D.
 Email: cgabbs-remail.nih.gov
 Tissue Procurement: Life Technologies, Inc.
 cDNA Library Preparation: Life Technologies, Inc.
 DNA Sequencing by: Agencourt Bioscience Corporation
 Clone distribution: MGC clone distribution information can be
 found through the I.M.A.G.E. Consortium/LLNL at:
 http://image.llnl.gov
 Plate: LLM12793 row: m column: 17
 High quality sequence stop: 343.
 Location/Qualifiers
 1..1059
 /organism="Homo sapiens"
 /mol_type="mRNA"
 /db_xref="taxon:9606"
 /clone="IMAGE:5755192"
 /lab_host="DH10B"
 /clone.lib="NIH_MGC_115"
 /note="Organ: pooled brain, lung, testis; Vector:
 PCMV-SPORT6; Site: 1: NotI; Site 2: EcoRV (destroyed); RNA
 source anonymous pool of male brains, age range 23-27; 1
 male lung age 27 and 1 male testis, age 69. Library is
 oligo-dT primed and directionally cloned (EcoRV site is
 destroyed upon cloning). Average insert size 1.8 kb,
 insert size range 1-3 kb. Library is normalized and
 enriched for full-length clones and was constructed by C.
 Gruber (Invitrogen). Research Genetics tracking code
 021. Note: this is a NIH_MGC Library."

FEATURES
 source
 1..1059
 /organism="Homo sapiens"
 /mol_type="mRNA"
 /db_xref="taxon:9606"
 /clone="IMAGE:5755192"
 /lab_host="DH10B"
 /clone.lib="NIH_MGC_115"
 /note="Organ: pooled brain, lung, testis; Vector:
 PCMV-SPORT6; Site: 1: NotI; Site 2: EcoRV (destroyed); RNA
 source anonymous pool of male brains, age range 23-27; 1
 male lung age 27 and 1 male testis, age 69. Library is
 oligo-dT primed and directionally cloned (EcoRV site is
 destroyed upon cloning). Average insert size 1.8 kb,
 insert size range 1-3 kb. Library is normalized and
 enriched for full-length clones and was constructed by C.
 Gruber (Invitrogen). Research Genetics tracking code
 021. Note: this is a NIH_MGC Library."

BASE COUNT 199 a 339 c 304 g 217 t
 ORIGIN
 Query Match 99.0%; Score 308.8; DB 13; Length 1059;
 Best Local Similarity 99.4%; Pred. No. 1.3e-50;
 Matches 310; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
 QY 1 ATGAAGCTCGCCGCTCTGAGGAGCTGAGGCGCTGTCGACGCTCCGCTGCTGCT 60
 Db 23 ATGAAGCTCGCCGCTCTGAGGAGCTGAGGCGCTGTCGACGCTCCGCTGCTGCT 82
 QY 61 TTCTTAGTGGGCTCGGCGCAAGCTGTGGCGCAGCTGTGGCGCTGGCGAGTCGGCGGG 120

```
Db      83  TTCTTAGTGGGCTGCGCCCAAGCCTGTGTGGCCAGCCTGTGTGGCTGTGAAGTGGGGCG 142
OY      121  GAGCGCGGGGCGGAGCCTGTGGCCCAAGCCTGTGGCCAGCCTGTGGCTGTGAAGTGGGGCG 180
Db      143  GAGCGCGGGGCGGAGCCTGTGGCCCAAGCCTGTGGCCAGCCTGTGGCTGTGAAGTGGGGCG 202
OY      181  CTGAGCAGCCTGTGGGATCCCGTGAGACCTCATATAGAGGCTCCAGAACTGTGGCT 240
Db      203  CTGAGCAGCCTGTGGGATCCCGTGAGACCTCATATAGAGGCTCCAGAACTGTGGCT 262
OY      241  GAGCTGGTTCCTCCAGAGCCGTGGGGCCGTGAAGGCTTGAAGGCTGTGGGGCCCTG 300
Db      263  GAGCTGGTTCCTCCAGAGCCGTGGGGCCGTGAAGGCTTGAAGGCTGTGGGGCCCTG 322
OY      301  ACAGTGTGGC 312
OY      323  ACAGTGTGGC 334
Db

RESULT 7
LOCUS   BM921624 1083 bp mRNA linear EST 12-MAR-2002
DEFINITION AGENCOURT.6707854 NIH_MGC_115 Homo sapiens cDNA clone IMAGE:5753142
5' mRNA sequence.
ACCESSION BM921624
VERSION   BM921624.1 GI:19372003
KEYWORDS EST.
SOURCE   Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.
REFERENCE 1 (bases 1 to 1083)
AUTHORS NIH-MGC http://mgi.nci.nih.gov/
TITLES National Institutes of Health, Mammalian Gene Collection (MGC)
JOURNAL Unpublished
COMMENT Contact: Robert Strausberg, Ph.D.
Email: cgabs-remail.nih.gov
Tissue Procurement: Life Technologies, Inc.
cDNA Library Preparation: Life Technologies, Inc.
cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LNL)
DNA Sequencing by: Agencourt Bioscience Corporation
Clone distribution: MGC clone distribution information can be
found through the I.M.A.G.E. Consortium/LNL at:
http://image.lnl.gov
Plate: L1AM12788 row: h column: 07
High quality sequence stop: 486.
Location/Qualifiers
FEATURES
Source
1..1083
/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
/clone="IMAGE:5753142"
/lab_host="DH10B"
/clone_lib="NIH_MGC_115"
/Note="Organ: pooled brain, lung, testis; Vector:
PCWY-SPORT6; Site:1: NotI; Site:2: EcoRV (destroyed); RNA
source anonymous pool of 6 male brains, age 69. Library is
male lung age 27; and 1 male testis, age 69. Library is
also 47 primed and directionally cloned (EcoRV site is
destroyed upon cloning). Average insert size 1.8 kb,
insert size range 1-3 kb. Library is normalized and
inserted for full-length clones and was constructed by C.
Gruber (Invitrogen). Research Genetics tracking code
021. Note: this is a NIH_MGC Library."
BASE COUNT 212 a 277 c 304 g 204 t 86 others
ORIGIN
Query Match 99.0%; Score 308.8; DB 12; Length 1083;
Best Local Similarity 99.4%; Pred. No. 1,3e-50;
Matches 310; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
OY 1 ATGAAGCTGCGCGCCCTCTGCGGCTGTGCTGCGCTGTCTGACGCTCGCTGCT 60
|||||
```

```
Db      41  ATGAAGCTGCGCGCCCTCTGCGGCTGTGCTGCGCTGTCTGACGCTCGCTGCT 100
OY      61  TTCTTAGTGGGCTGCGCCCAAGCCTGTGGCCAGCCTGTGGCTGTGAAGTGGGGCG 120
Db      101  TTCTTAGTGGGCTGCGCCCAAGCCTGTGGCCAGCCTGTGGCTGTGAAGTGGGGCG 160
OY      121  GAGCGCGGGGCGGAGCCTGTGGCCCAAGCCTGTGGCCAGCCTGTGGCTGTGAAGTGGGGCG 180
Db      161  GAGCGCGGGGCGGAGCCTGTGGCCCAAGCCTGTGGCCAGCCTGTGGCTGTGAAGTGGGGCG 220
OY      181  CTGAGCAGCCTGTGGGATCCCGTGAGACCTCATATAGAGGCTCCAGAACTGTGGCT 240
Db      221  CTGAGCAGCCTGTGGGATCCCGTGAGACCTCATATAGAGGCTCCAGAACTGTGGCT 280
OY      241  GAGCTGGTTCCTCCAGAGCCGTGGGGCCGTGAAGGCTTGAAGGCTGTGGGGCCCTG 300
Db      281  GAGCTGGTTCCTCCAGAGCCGTGGGGCCGTGAAGGCTTGAAGGCTGTGGGGCCCTG 340
OY      301  ACAGTGTGGC 312
OY      341  ACAGTGTGGC 352
Db

RESULT 8
LOCUS   AW974727 550 bp mRNA linear EST 02-JUN-2000
DEFINITION EST386817 MAGE resequences, MAGN Homo sapiens cDNA, mRNA sequence.
ACCESSION AW974727
VERSION   AW974727.1 GI:8165915
KEYWORDS EST.
SOURCE   Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.
REFERENCE 1 (bases 1 to 550)
AUTHORS Hegde,P., Qi,R., Abernathy,K., Dharap,S., Gaspar,R., Gay,C., Holt
,I.E., Saeed,A.I., Sharov,V., Lee,N.H., Yeatman,T.J. and
Quackenbush,J.
TITLES Assessment of gene expression patterns in a model of colon tumor
metastasis using a 19,200 element cDNA microarray
JOURNAL Unpublished
COMMENT Contact: John Quackenbush
The Institute for Genomic Research
9712 Medical Center Dr., Rockville, MD 20850, USA
Tel: 301 838 3528
Fax: 301 838 0208
Email: johnqu@tigr.org
Plate: 338
Seq primer: Reverse.
Location/Qualifiers
FEATURES
Source
1..550
/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
/clone_lib="MAGE resequences, MAGN"
/Note="Vector: pBluescriptSKm"
BASE COUNT 88 a 193 c 171 g
ORIGIN
Query Match 98.5%; Score 307.2; DB 10; Length 550;
Best Local Similarity 99.0%; Pred. No. 2,4e-50;
Matches 309; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
OY 1 ATGAAGCTGCGCGCCCTCTGCGGCTGTGCTGCGCTGTCTGACGCTCGCTGCT 60
|||||
Db 25 ATGAAGCTGCGCGCCCTCTGCGGCTGTGCTGCGGCTGTCTGACGCTCGCTGCT 84
|||||
OY 61 TTCTTAGTGGGCTGCGCCCAAGCCTGTGGCCAGCCTGTGGCTGTGAAGTGGGGCG 120
|||||
Db 85 TTCTTAGTGGGCTGCGCCCAAGCCTGTGGCCAGCCTGTGGCTGTGAAGTGGGGCG 144
|||||
OY 121 GAGCGCGGGGCGGAGCCTGTGGCCCAAGCCTGTGGCCAGCCTGTGGCTGTGAAGTGGGGCG 180
|||||
```

Db	145	GAGGCCGGGGGGCGGGAGCCCTGGCCAAACCCCTCGGCGACCTCGTCAACCCGCTGAAGTCTCTG	204
QY	181	CTGAGCAGCCTTGGGCAATCCCGCTGAAACCAACCTCATAGAGGGCTCCAGAAAGTGTGGCT	240
Db	205	CTGACACAGCTTGGGATATCCCTGAAACCACTCATATAGAGGGCTCCAGAAAGTGTGGCT	264
QY	241	GAGCTGGGTCCCGACGCGCTGGGGGCGCGTGAAGGCCCTGAAGGCCCTGTGGGGGCGCTG	300
Db	265	GAGCTGGGTCCCGACGCGCTGGGGGCGCGTGAAGGCCCTGAAGGCCCTGTGGGGGCGCTG	324
QY	301	ACAGTGTGGC	312
Db	325	ACAGTGTGGC	336
RESULT 9			
LOCUS	CB049699	437 bp	mRNA
DEFINITION	N18C_5J12a05.y1 NCI_CGAP_Pr28 Homo sapiens CDNA IMAGE:32717401		linear EST 17-JAN-2003
ACCESSION	CB049699		
VERSION	CB049699.1		
KEYWORDS	EST.		
SOURCE	Homo sapiens (human)		
ORGANISM	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.		
REFERENCE	1 (bases 1 to 437)		
AUTHORS	NCI-CGAP http://www.ncbi.nlm.nih.gov/ncicgap .		
TITLE	National Cancer Institute, Cancer Genome Anatomy Project (CGAP), Tumor Gene Index		
JOURNAL	Unpublished		
COMMENT	Contact: Robert Strausberg, Ph.D. Email: cgap@femail.nih.gov CDNA Library Preparation: CDNA Library Arrayed by: The I.M.A.G.E. Consortium/LLNL DNA Sequencing by: National Institutes of Health Intramural Sequencing Center (NISC) Clone distribution: NCI-CGAP clone distribution information can be found through the I.M.A.G.E. Consortium/LLNL at: info@image.llnl.gov Plate: LLAM008 row: J column: 10 Seq primer: M13RPI reverse primer (ABI). Location/Qualifiers 1..437		
FEATURES			
Source			

BASE COUNT	63 a	158 c	145 g	71 t
ORIGIN	Genetic codes and M. ratima Ronaldo.			
Query Match	97.4%; Score 303.8; DB 14; Length 437;			
Best Local Similarity	99.3%; Pred. No. 1.1e-49;			
Matches 305; Conservative	0; Mismatches 2; Indels 0; Gaps 0;			
QY	6 GCTGCGCGCCCTCCTCGGGGCTCTGCGGAGCCGTCGTGAGCTCGGCTGCGCTTTCTT 65			
Db	10 GCTGCGCGCCCTCCTCGGGGCTCTGCGGAGCCGTCGTGAGCTCGGCTGCGCTTTCTT 69			

QY	66	AGTGGGCTCGGGCCAAAGCTGTGTGGCCCAAGCCTTCTCGCTGTGGTGAAGTGACGCGGCGAAGGC	125
Db	70	AGTGGGCTCGGGCCAAAGCCTGTGGCCCAAGCCTTCTCGCTGTGGTGAAGTGACGCGGCGAAGGC	129
QY	126	CGGGGGCGGGAGACCTCTGGGCAACCCCTGTGGGCAACCTCAACCCGGTGAAGCTCTGTGTGAG	185
Db	130	CGGGGGCGGGAGACCTCTGGGCAACCCCTGTGGGCAACCTCAACCCGGTGAAGCTCTGTGTGAG	189
QY	186	CAGCCTTGGGATCTCCCGTGAAACACTCTATAGAGGGCTCCGAGAAGTGTGTGGCTGAAGCT	245
Db	190	CAGCCTTGGGATCTCCCGTGAAACACTCTATAGAGGGCTCCGAGAAGTGTGTGGCTGAAGCT	249
QY	246	GGGTGCCCAAGCGCTGGGGGCCCTGAAGGCCCTGTGGGGGCCCTGTGACAGT	305
Db	250	GGGTGCCCAAGCGCTGGGGGCCCTGAAGGCCCTGTGGGGGCCCTGTGACAGT	309
QY	306	GTTTGGC	312
Db	310	GTTTGGC	316

[illegible]

```

location/Qualifiers
1. .472
/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
/clone="UI-CF-EN1-aet-p-17-0-UI"
/tissue_type="Primary Lung Cystic Fibrosis Epithelial
Cells"
/dev_stage="Adult"
/lab_host="DH10B (Life Technologies) (T1 phage resistant)"
/clone_lib="UI-CF-EN1"
/note="Organ: Lung; Vector: pT73-Pac (Pharmacia) with a
modified polylinker; Site_1: EcoR I; Site_2: Not I;
UI-CF-EN1 is a normalized cDNA library containing the
following tissue(s): Primary Lung Cystic Fibrosis
Epithelial Cells. The library was constructed according to
Bonaldi, Lennon and Soares, Genome Research, 6:791-806,

```


found through the I.M.A.G.E. Consortium/LLNL at:
 http://image.llnl.gov
 Plate: LLAM1434 row: k column: 21
 High quality sequence start: 3
 High quality sequence stop: 511.
 Location/Qualifiers
 1: 961

FEATURES

SOURCE

/organism="Homo sapiens"
 /mol_type="mRNA"
 /db_xref="taxon:9606"
 /clone="IMAGE:5174540"
 /lab_host="DH10B"
 /clone_1lb="NIH_MGC_115"
 /note="Organ: pooled brain, lung, testis; Vector:
 PCMV-SPORE6; Site_1: NotI; Site_2: EcoRV (destroyed); RNA
 source anonymous pool of 6 male brains, age range 23-27; 1
 male lung, age 27; and 1 male testis, age 69. Library is
 oligo-dT primed and directionally cloned (EcoRV site is
 destroyed upon cloning). Average insert size 1.8 kb,
 insert size range 1-3 kb. Library is normalized and
 enriched for full-length clones and was constructed by C.
 Gruber (Invitrogen). Research Genetics tracking code
 021. Note: this is a NIH_MGC Library."
 BASE COUNT 203 a 308 c 277 g 172 t 1 others
 ORIGIN

Query Match 95.4%; Score 297.8; DB 12; Length 961;
 Best Local Similarity 99.0%; Pred. No. 1,7e-48;
 Matches 310; Conservative 0; Mismatches 2; Indels 1; Gaps 1;

OY 1 ATGAAGCTGCGC-CGCTCTCTGGGCTGCGGCGGCGCTGCTGAGCTCCGCTGCG 59
 Db 21 ATGAAGCTGCGC-CGCTCTCTGGGCTGCGGCGGCGCTGCTGAGCTCCGCTGCG 80
 OY 60 TTTCCTAGTGGGCTCGGCGCAAGCTGCTGCGGCTGCGGCTGAGTGGCGGC 119
 Db 81 TTTCCTAGTGGGCTCGGCGCAAGCTGCTGCGGCTGCGGCTGAGTGGCGGC 140
 OY 120 GGAGGCCGGGGCGGAGCCCTGGCAACCCCTCGGCAACCCCTGGAAGCTCTCT 179
 Db 141 GGAGGCCGGGGCGGAGCCCTGGCAACCCCTCGGCAACCCCTGGAAGCTCTCT 200
 OY 180 GCTGAGCAGCTGGGAGATCCCGTGAACCACTCATAGAGGCTCCAGAAAGTGTGGC 239
 Db 201 GCTGAGCAGCTGGGAGATCCCGTGAACCACTCATAGAGGCTCCAGAAAGTGTGGC 260
 OY 240 TGAAGCTGGTCCCAAGCGCTGGGGCGCGTGAAGGCGCTGGAAGGCGCTGCGGGCCCT 299
 Db 261 TGAAGCTGGTCCCAAGCGCTGGGGCGCGTGAAGGCGCTGGAAGGCGCTGCGGGCCCT 320
 OY 300 GACAGCTTTGGC 312
 Db 321 GACAGCTTTGGC 333

RESULT 13
 BI820788 407 bp mRNA linear EST 04-OCT-2001
 LOCUS 603034390F1 NIH_MGC_115 Homo sapiens cDNA clone IMAGE:5175502 5'
 DEFINITION mRNA sequence.
 ACCESSION BI820788
 VERSION BI820788.1 GI:15932338
 KEYWORDS EST.
 SOURCE Homo sapiens (human)
 ORGANISM Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.
 REFERENCE 1 (bases 1 to 407)
 NIH-MGC http://mgc.nci.nih.gov/
 TITLE National Institutes of Health, Mammalian Gene Collection (MGC)
 JOURNAL Unpublished
 COMMENT Contact: Robert Strausberg, Ph.D.
 Email: cgaabs@email.nih.gov

Tissue Procurement: Life Technologies, Inc.
 cDNA Library Preparation: Life Technologies, Inc.
 cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
 DNA Sequencing by: Incyte Genomics, Inc.
 Clone distribution: MGC clone distribution information can be
 found through the I.M.A.G.E. Consortium/LLNL at:
 http://image.llnl.gov
 Plate: LLAM1437 row: c column: 23
 High quality sequence start: 4
 High quality sequence stop: 405.
 Location/Qualifiers
 1: 407

FEATURES

SOURCE

/organism="Homo sapiens"
 /mol_type="mRNA"
 /db_xref="taxon:9606"
 /clone="IMAGE:5175502"
 /lab_host="DH10B"
 /clone_1lb="NIH_MGC_115"
 /note="Organ: pooled brain, lung, testis; Vector:
 PCMV-SPORE6; Site_1: NotI; Site_2: EcoRV (destroyed); RNA
 source anonymous pool of 6 male brains, age range 23-27; 1
 male lung, age 27; and 1 male testis, age 69. Library is
 oligo-dT primed and directionally cloned (EcoRV site is
 destroyed upon cloning). Average insert size 1.8 kb,
 insert size range 1-3 kb. Library is normalized and
 enriched for full-length clones and was constructed by C.
 Gruber (Invitrogen). Research Genetics tracking code
 021. Note: this is a NIH_MGC Library."
 BASE COUNT 59 a 145 c 137 g 66 t
 ORIGIN

Query Match 95.1%; Score 296.8; DB 12; Length 407;
 Best Local Similarity 99.0%; Pred. No. 2.5e-48;
 Matches 309; Conservative 0; Mismatches 2; Indels 1; Gaps 1;

OY 1 ATGAAGCTGCGC-CGCTCTCTGGGCTGCGGCGGCGCTGCTGAGCTCCGCTGCG 60
 Db 8 ATGAAGCTGCGC-CGCTCTCTGGGCTGCGGCGGCGCTGCTGAGCTCCGCTGCG 66
 OY 61 TTTCCTAGTGGGCTCGGCGCAAGCTGCTGCGGCTGCGGCTGAGTGGCGGC 120
 Db 67 TTTCCTAGTGGGCTCGGCGCAAGCTGCTGCGGCTGCGGCTGAGTGGCGGC 126
 OY 121 GAGCGCGGGCGGAGCCCTGGGCAACCCCTCGGCAACCCCTGGAAGCTCTCT 180
 Db 127 GAGCGCGGGCGGAGCCCTGGGCAACCCCTCGGCAACCCCTGGAAGCTCTCT 186
 OY 181 CTGAGCAGCTGGGAGATCCCGTGAACCACTCATAGAGGCTCCAGAAAGTGTGGC 240
 Db 187 CTGAGCAGCTGGGAGATCCCGTGAACCACTCATAGAGGCTCCAGAAAGTGTGGC 246
 OY 241 GAGCTGGTCCCAAGCGCTGGGGCGCGTGAAGGCGCTGGAAGGCGCTGCGGGCCCT 300
 Db 247 GAGCTGGTCCCAAGCGCTGGGGCGCGTGAAGGCGCTGGAAGGCGCTGCGGGCCCT 306
 OY 301 ACAGCTTTGGC 312
 Db 307 ACAGCTTTGGC 318

RESULT 14
 BI490604 416 bp mRNA linear EST 28-AUG-2001
 LOCUS 603032283T1 NIH_MGC_115 Homo sapiens cDNA clone IMAGE:5173268 3'
 DEFINITION mRNA sequence.
 ACCESSION BI490604
 VERSION BI490604.1 GI:15329832
 KEYWORDS EST.
 SOURCE Homo sapiens (human)
 ORGANISM Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.
 REFERENCE 1 (bases 1 to 416)

AUTHORS NIH-MGC <http://mgc.nci.nih.gov/>.
TITLE National Institutes of Health, Mammalian Gene Collection (MGC)
JOURNAL Unpublished
COMMENT Contact: Robert Strausberg, Ph.D.
Email: cgapbs-remail.nih.gov
Tissue Procurement: Life Technologies, Inc.
CDNA Library Preparation: Life Technologies, Inc.
CDNA Library Arrayed by: The I.M.A.G.E. Consortium (LNLN)
DNA Sequencing by: Incyte Genomics, Inc.
Clone distribution: MGC clone distribution information can be found through the I.M.A.G.E. Consortium/LNLN at: <http://image.llnl.gov>
Plate: LHAM1431 row: f column: 21
High quality sequence start: 6
High quality sequence stop: 416.
Location/Qualifiers

FEATURES
source 1..416
/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
/clone="IMAGE:5173268"
/lab_host="DH10B"
/note="Organ: Pooled brain, lung, testis; Vector: PCMV-SPORT6; Site_1: NotI; Site_2: EcoRV (destroyed); RNA source anonymous pool of 6 male brains, age range 23-27; 1 male lung, age 27; and 1 male testis, age 69. Library is oligo-dT primed and directionally cloned (EcoRV site is destroyed upon cloning). Average insert size 1.8 kb, insert size range 1-3 kb. Library is normalized and enriched for full-length clones and was constructed by C. Gruber (Invitrogen). Research Genetics tracking code 021. Note: this is a NIH-MGC Library."

BASE COUNT
ORIGIN
64 a 141 c 151 g 60 t

Query Match 95.1%; Score 296.8; DB 12; Length 416;
Best Local Similarity 99.0%; Pred. No. 2.5e-48;
Matches 309; Conservative 0; Mismatches 2; Indels 1; Gaps 1;

Y 1 ATGAAGCTGCGCGCCCTCCTGCGGGGCTCTGCGTGGCCCTGCTGAGCTCCGCTGCT 60
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
D 393 ATGAAGCTGCGCGCCCTCCTGCGGGGCTCTGCGTGGCCCTGCTGAGCTCCGCTGCT 334
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Y 61 TTCTTAGTGGGCTCGGCAAGCTGCGGCAAGCTGCGTGGCTGCGTGGGAGTGGGCGG 120
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
D 333 TTCTTAGTGGGCTCGGCAAGCTGCGGCAAGCTGCGTGGCTGCGTGGGAGTGGGCGG 274
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Y 121 GAGCGCGGGGCGGCAAGCTGCGGCAAGCTGCGTGGCTGCGTGGGAGTGGGCGG 180
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
D 273 GAGCGCGGGGCGGCAAGCTGCGGCAAGCTGCGTGGCTGCGTGGGAGTGGGCGG 215
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Y 181 CTGAGCAGCTTGGGCAATCCCGTGAACCACTCATATAGAGGCTCCAGAAAGTGTGGCT 240
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
D 214 CTGAGCAGCTTGGGCAATCCCGTGAACCACTCATATAGAGGCTCCAGAAAGTGTGGCT 155
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Y 241 GAGCTGGTCCCGAGGCGGTGGGGCGGTGAAGGCCCTGAGGCGCTGGGGCCCTG 300
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
D 154 GAGCTGGTCCCGAGGCGGTGGGGCGGTGAAGGCCCTGAGGCGCTGGGGCCCTG 95
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Y 301 ACAGTGTGGC 312
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
D 94 ACAGTGTGGC 83
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

RESULT 15
BI819014 491 bp mRNA linear EST 04-OCT-2001
LOCUS 603033130F1 NIH_MGC_115 Homo sapiens CDNA clone IMAGE:5174526 5',
DEFINITION mRNA sequence.
ACCESSION BI819014
VERSION BI819014.1 GI:15930564
KEYWORDS EST.

SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.
REFERENCE 1 (bases 1 to 491)
AUTHORS NIH-MGC <http://mgc.nci.nih.gov/>.
TITLE National Institutes of Health, Mammalian Gene Collection (MGC)
JOURNAL Unpublished
COMMENT Contact: Robert Strausberg, Ph.D.
Email: cgapbs-remail.nih.gov
Tissue Procurement: Life Technologies, Inc.
CDNA Library Preparation: Life Technologies, Inc.
CDNA Library Arrayed by: The I.M.A.G.E. Consortium (LNLN)
DNA Sequencing by: Incyte Genomics, Inc.
Clone distribution: MGC clone distribution information can be found through the I.M.A.G.E. Consortium/LNLN at: <http://image.llnl.gov>
Plate: LHAM1434 row: k column: 07
High quality sequence stop: 470.
Location/Qualifiers

FEATURES
source 1..491
/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
/clone="IMAGE:5174526"
/lab_host="DH10B"
/note="Organ: Pooled brain, lung, testis; Vector: PCMV-SPORT6; Site_1: NotI; Site_2: EcoRV (destroyed); RNA source anonymous pool of 6 male brains, age range 23-27; 1 male lung, age 27; and 1 male testis, age 69. Library is oligo-dT primed and directionally cloned (EcoRV site is destroyed upon cloning). Average insert size 1.8 kb, insert size range 1-3 kb. Library is normalized and enriched for full-length clones and was constructed by C. Gruber (Invitrogen). Research Genetics tracking code 021. Note: this is a NIH-MGC Library."

BASE COUNT
ORIGIN
90 a 172 c 155 g 74 t

Query Match 95.1%; Score 296.8; DB 12; Length 491;
Best Local Similarity 99.0%; Pred. No. 2.6e-48;
Matches 309; Conservative 0; Mismatches 2; Indels 1; Gaps 1;

Y 1 ATGAAGCTGCGCGCCCTCCTGCGGGGCTCTGCGTGGCCCTGCTGAGCTCCGCTGCT 60
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
D 22 ATGAAGCTGCGCG -CCTCCTGCGGCTCTGCGGCCCTGCTGCGAGCTCCGCTGCT 80
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Y 61 TTCTTAGTGGGCTCGGCAAGCTGCGGCAAGCTGCGTGGCTGCGTGGGAGTGGGCGG 120
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
D 81 TTCTTAGTGGGCTCGGCAAGCTGCGGCAAGCTGCGTGGCTGCGTGGGAGTGGGCGG 140
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Y 121 GAGCGCGGGGCGGCAAGCTGCGGCAAGCTGCGGCAAGCTGCGTGGGAGTGGGCGG 180
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
D 141 GAGCGCGGGGCGGCAAGCTGCGGCAAGCTGCGGCAAGCTGCGTGGGAGTGGGCGG 200
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Y 181 CTGAGCAGCTTGGGCAATCCCGTGAACCACTCATATAGAGGCTCCAGAAAGTGTGGCT 240
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
D 201 CTGAGCAGCTTGGGCAATCCCGTGAACCACTCATATAGAGGCTCCAGAAAGTGTGGCT 260
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Y 241 GAGCTGGTCCCGAGGCGGTGGGGCGGTGAAGGCCCTGAGGCGCTGGGGCCCTG 300
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
D 261 GAGCTGGTCCCGAGGCGGTGGGGCGGTGAAGGCCCTGAGGCGCTGGGGCCCTG 320
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Y 301 ACAGTGTGGC 312
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
D 321 ACAGTGTGGC 332
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Search completed: September 20, 2003, 01:38:59
Job time: 1390.21 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2003 Comugen Ltd.

OM nucleic - nucleic search, using sw model

Run on: September 19, 2003, 23:30:33 ; Search time 35.0684 Seconds
(without alignments)
3926.945 Million cell updates/sec

Title: US-10-081-817a-3

Sequence: 1 atgaagctgcgcgcctcct.....gggcctctgacagtgttgc 312

Scoring table: IDENTITY_NUC
Gapop 10.0, Gapext 1.0

Searched: 569978 seqs, 220691566 residues

Total number of hits satisfying chosen parameters: 1139956

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 08
Maximum Match 100%

Listing first 45 summaries

Database : Issued_Patents_NA:*
1: /cgn2_6/pcdata/2/lna/5A.COMB.seq:*
2: /cgn2_6/pcdata/2/lna/5B.COMB.seq:*
3: /cgn2_6/pcdata/2/lna/5A.COMB.seq:*
4: /cgn2_6/pcdata/2/lna/5B.COMB.seq:*
5: /cgn2_6/pcdata/2/lna/PCRTUS.COMB.seq:*
6: /cgn2_6/pcdata/2/lna/Backfiles1.seq:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	308.8	99.0	570	US-09-996-243-407	Sequence 407, Appl
2	56.4	18.1	263	US-08-964-725-2	Sequence 2, Appl
3	56.4	18.1	507	US-08-964-725-4	Sequence 4, Appl
4	56.4	18.1	519	US-08-964-725-5	Sequence 5, Appl
5	49.2	15.8	2497	US-09-620-312D-47	Sequence 47, Appl
6	46.6	14.9	3274	US-09-252-991A-3650	Sequence 3650, Ap
7	46.6	14.8	3297	US-09-252-991A-3615	Sequence 3615, Ap
8	46.2	14.8	1423	US-09-252-991A-1281	Sequence 1281, A
9	46.2	14.8	1428	US-09-252-991A-12820	Sequence 12820, A
10	46.2	14.8	1511	US-09-252-991A-12677	Sequence 12677, A
11	44.2	14.2	129	US-09-252-991A-13122	Sequence 13122, A
12	44.2	14.2	1083	US-09-252-991A-7316	Sequence 7316, Ap
13	44.2	14.2	1572	US-09-252-991A-7304	Sequence 7304, Ap
14	44.2	14.2	1573	US-09-252-991A-7316	Sequence 7316, Ap
15	44.2	14.2	2543	US-09-073-663-11	Sequence 11, Appl
16	44.2	14.2	2543	US-09-073-663-11	Sequence 11, Appl
17	44.2	14.0	2574	US-09-252-991A-7385	Sequence 7385, Ap
18	43.6	14.0	432	US-08-642-255-48	Sequence 48, Appl
19	43.6	13.7	756	US-08-642-255-50	Sequence 50, Appl
20	42.6	13.7	2721	US-07-945-283-1	Sequence 1, Appl
21	42.6	13.7	8438	US-09-252-991A-1173	Sequence 1173, Ap
22	42.2	13.5	930	US-09-252-991A-8238	Sequence 8238, Ap
23	42.2	13.5	1116	US-09-252-991A-7974	Sequence 7974, Ap
24	42.2	13.5	1122	US-09-252-991A-8074	Sequence 8074, Ap
25	42.2	13.5	1125	US-09-252-991A-8074	Sequence 1219, Ap
26	42.2	13.5	6858	US-09-252-991A-1219	Sequence 1219, Ap
27	42.2	13.5	13842	US-09-105-537-30	Sequence 30, Appl

ALIGNMENTS

RESULT 1
US-09-996-243-407
; Sequence 407, Application US/09996243
; Patent No. 6478825
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gertsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Klievin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pao, James
; APPLICANT: Pao, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumata, Daniel
; APPLICANT: Williams, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2730P1C13
; CURRENT APPLICATION NUMBER: US/09/996,243
; PRIOR FILING DATE: 2001-11-14
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/065186
; PRIOR FILING DATE: 1997-11-12
; PRIOR APPLICATION NUMBER: 60/065311
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: 60/066770
; PRIOR FILING DATE: 1997-11-24
; PRIOR APPLICATION NUMBER: 60/075945
; PRIOR FILING DATE: 1998-02-25
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/083322
; PRIOR FILING DATE: 1998-04-28

28	42	13.5	36778	3	US-09-105-537-5	Sequence 5, Appl
29	42	13.5	38506	3	US-09-320-878-19	Sequence 19, Appl
30	42	13.5	38506	4	US-09-141-908-1	Sequence 1, Appl
31	42	13.5	38506	4	US-09-657-440-19	Sequence 19, Appl
32	41.8	13.4	837	4	US-09-252-991A-651	Sequence 651, App
33	41.8	13.4	1308	4	US-09-252-991A-683	Sequence 683, App
34	41.6	13.3	1209	4	US-09-252-991A-6080	Sequence 6080, Ap
35	41.6	13.3	1404	4	US-09-252-991A-6474	Sequence 6474, Ap
36	41.2	13.2	858	4	US-09-252-991A-6761	Sequence 6761, Ap
37	41.2	13.2	912	4	US-09-252-991A-6865	Sequence 6865, Ap
38	40.8	13.1	4524	2	US-08-845-998-7	Sequence 7, Appl
39	40.8	13.1	4524	3	US-09-206-537-7	Sequence 7, Appl
40	40.8	13.1	4524	3	US-09-430-854-7	Sequence 7, Appl
41	40.4	12.9	429	4	US-09-252-991A-7812	Sequence 7812, Ap
42	40.4	12.9	442	2	US-08-945-584A-1	Sequence 1, Appl
43	40.4	12.9	442	2	US-08-945-584A-1	Sequence 1, Appl
44	40.4	12.9	1434	4	US-09-252-991A-7601	Sequence 7601, Ap
45	40.4	12.9	1626	4	US-09-252-991A-7950	Sequence 7950, Ap

Mon Sep 22 15:31:39 2003

us-10-081-817a-3.rni

Page 2

1	PRIOR APPLICATION NUMBER: 60/084600
2	PRIOR FILING DATE: 1998-05-07
3	PRIOR APPLICATION NUMBER: 60/087106
4	PRIOR FILING DATE: 1998-05-28
5	PRIOR APPLICATION NUMBER: 60/087607
6	PRIOR FILING DATE: 1998-06-02
7	PRIOR APPLICATION NUMBER: 60/087609
8	PRIOR FILING DATE: 1998-06-02
9	PRIOR APPLICATION NUMBER: 60/087759
10	PRIOR FILING DATE: 1998-06-02
11	PRIOR APPLICATION NUMBER: 60/087827
12	PRIOR FILING DATE: 1998-06-03
13	PRIOR APPLICATION NUMBER: 60/088021
14	PRIOR FILING DATE: 1998-06-04
15	PRIOR APPLICATION NUMBER: 60/088025
16	PRIOR FILING DATE: 1998-06-04
17	PRIOR APPLICATION NUMBER: 60/088026
18	PRIOR FILING DATE: 1998-06-04
19	PRIOR APPLICATION NUMBER: 60/088028
20	PRIOR FILING DATE: 1998-06-04
21	PRIOR APPLICATION NUMBER: 60/088029
22	PRIOR FILING DATE: 1998-06-04
23	PRIOR APPLICATION NUMBER: 60/088030
24	PRIOR FILING DATE: 1998-06-04
25	PRIOR APPLICATION NUMBER: 60/088033
26	PRIOR FILING DATE: 1998-06-04
27	PRIOR APPLICATION NUMBER: 60/088326
28	PRIOR FILING DATE: 1998-06-04
29	PRIOR APPLICATION NUMBER: 60/088167
30	PRIOR FILING DATE: 1998-06-05
31	PRIOR APPLICATION NUMBER: 60/088202
32	PRIOR FILING DATE: 1998-06-05
33	PRIOR APPLICATION NUMBER: 60/088212
34	PRIOR FILING DATE: 1998-06-05
35	PRIOR APPLICATION NUMBER: 60/088217
36	PRIOR FILING DATE: 1998-06-05
37	PRIOR APPLICATION NUMBER: 60/088655
38	PRIOR FILING DATE: 1998-06-09
39	PRIOR APPLICATION NUMBER: 60/088734
40	PRIOR FILING DATE: 1998-06-10
41	PRIOR APPLICATION NUMBER: 60/088738
42	PRIOR FILING DATE: 1998-06-10
43	PRIOR APPLICATION NUMBER: 60/088742
44	PRIOR FILING DATE: 1998-06-10
45	PRIOR APPLICATION NUMBER: 60/088810
46	PRIOR FILING DATE: 1998-06-10
47	PRIOR APPLICATION NUMBER: 60/088824
48	PRIOR FILING DATE: 1998-06-10
49	PRIOR APPLICATION NUMBER: 60/088826
50	PRIOR FILING DATE: 1998-06-10
51	PRIOR APPLICATION NUMBER: 60/088858
52	PRIOR FILING DATE: 1998-06-11
53	PRIOR APPLICATION NUMBER: 60/088861
54	PRIOR FILING DATE: 1998-06-11
55	PRIOR APPLICATION NUMBER: 60/088876
56	PRIOR FILING DATE: 1998-06-11
57	PRIOR APPLICATION NUMBER: 60/0889105
58	PRIOR FILING DATE: 1998-06-12
59	PRIOR APPLICATION NUMBER: 60/089440
60	PRIOR FILING DATE: 1998-06-16
61	PRIOR APPLICATION NUMBER: 60/089512
62	PRIOR FILING DATE: 1998-06-16
63	PRIOR APPLICATION NUMBER: 60/089514
64	PRIOR FILING DATE: 1998-06-16
65	PRIOR APPLICATION NUMBER: 60/089532
66	PRIOR FILING DATE: 1998-06-17
67	PRIOR APPLICATION NUMBER: 60/089538
68	PRIOR FILING DATE: 1998-06-17
69	PRIOR APPLICATION NUMBER: 60/089598
70	PRIOR FILING DATE: 1998-06-17
71	PRIOR APPLICATION NUMBER: 60/089599
72	PRIOR FILING DATE: 1998-06-17
73	PRIOR APPLICATION NUMBER: 60/089600
74	PRIOR FILING DATE: 1998-07-02
75	PRIOR APPLICATION NUMBER: 60/090445
76	PRIOR FILING DATE: 1998-06-24
77	PRIOR APPLICATION NUMBER: 60/090445
78	PRIOR FILING DATE: 1998-06-24
79	PRIOR APPLICATION NUMBER: 60/090472
80	PRIOR FILING DATE: 1998-06-24
81	PRIOR APPLICATION NUMBER: 60/090535
82	PRIOR FILING DATE: 1998-06-24
83	PRIOR APPLICATION NUMBER: 60/090540
84	PRIOR FILING DATE: 1998-06-24
85	PRIOR APPLICATION NUMBER: 60/090542
86	PRIOR FILING DATE: 1998-06-24
87	PRIOR APPLICATION NUMBER: 60/090557
88	PRIOR FILING DATE: 1998-06-24
89	PRIOR APPLICATION NUMBER: 60/090676
90	PRIOR FILING DATE: 1998-06-25
91	PRIOR APPLICATION NUMBER: 60/090678
92	PRIOR FILING DATE: 1998-06-25
93	PRIOR APPLICATION NUMBER: 60/090690
94	PRIOR FILING DATE: 1998-06-25
95	PRIOR APPLICATION NUMBER: 60/090694
96	PRIOR FILING DATE: 1998-06-25
97	PRIOR APPLICATION NUMBER: 60/090695
98	PRIOR FILING DATE: 1998-06-25
99	PRIOR APPLICATION NUMBER: 60/090696
100	PRIOR FILING DATE: 1998-06-25
101	PRIOR APPLICATION NUMBER: 60/090862
102	PRIOR FILING DATE: 1998-06-26
103	PRIOR APPLICATION NUMBER: 60/090863
104	PRIOR FILING DATE: 1998-06-26
105	PRIOR APPLICATION NUMBER: 60/091360
106	PRIOR FILING DATE: 1998-06-26
107	PRIOR APPLICATION NUMBER: 60/091360
108	PRIOR FILING DATE: 1998-07-01
109	PRIOR APPLICATION NUMBER: 60/091478
110	PRIOR FILING DATE: 1998-07-02
111	PRIOR APPLICATION NUMBER: 60/091544
112	PRIOR FILING DATE: 1998-07-01
113	PRIOR APPLICATION NUMBER: 60/091519
114	PRIOR FILING DATE: 1998-07-02
115	PRIOR APPLICATION NUMBER: 60/091626
116	PRIOR FILING DATE: 1998-07-02
117	PRIOR APPLICATION NUMBER: 60/091633
118	PRIOR FILING DATE: 1998-07-02

```

NAME: Becker, Cheryl L.
REGISTRATION NUMBER: 35,441
REFERENCE/DOCKET NUMBER: 5997.US.P1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 847/935-1729
TELEFAX: 847/938-2623
TELEX:
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 263 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-964-725-2

Query Match      18.1%; Score 56.4; DB 2; Length 263;
Best Local Similarity 60.4%; Freq No. 0.0026;
Matches 93; Conservative 0; Mismatches 61; Indels 0; Gaps 0

OY      137 CCCTGGCCAAACCCCTGGGACCCCTCAACCCGCTGAAGCCTCGCTAGACAGCCTGGCA 196
           ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB      60 CTTCTGACCAACATTTCTTCCCTTAATGATCCATTAAAGCTTCTTGAAACCTGGCA 119
           ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

OY      197 TCCCGCTGAACCACTCATATAGAGGCTCCCAAGAGTGTGTGCTGACCTGGGCCCCAG 256
           ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB      120 TTCTGTGTGACACCTCTGTGAGAGGGGCTAAGAGAGTGTATAATAGCTGGACCAAGG 179
           ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

OY      257 CCGTGGGGCGCTGAAGGCCCTGAAGGCCCTGCT 290
           ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB      180 CTTCTGAAGCTGTGAAGAAACCTGTGAGGCGCT 213
           ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

RESULT 3
US-08-964-725-4
Sequence 4, Application US/08964725
Patient No. 5939265
GENERAL INFORMATION:
APPLICANT: COHEN, Maurice
APPLICANT: FRIEDMAN, Paula N.
APPLICANT: GORDON, Julian
APPLICANT: HODGES, Steven C.
APPLICANT: KLASS, Michael R.
APPLICANT: KRATOCHVIL, Jon D.
APPLICANT: ROBERTS-RAPP, Lisa
APPLICANT: RUSSELL, John C.
APPLICANT: STROUPE, Steven D.
TITLE OF INVENTION: REAGENTS AND METHODS USEFUL
IN THE TITRATION OF THE LUNG
NUMBER OF SEQUENCES: 19
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Abbott Laboratories
STREET: 100 Abbott Park Road
CITY: Abbott Park
STATE: IL
COUNTRY: USA
ZIP: 60064-3500
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/964,725
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Becker, Cheryl L.
REGISTRATION NUMBER: 35,441
REFERENCE/DOCKET NUMBER: 5997.US.P1
TELECOMMUNICATION INFORMATION:

```

TELEPHONE: 847/935-1729
 TELEFAX: 847/938-7623
 TELEX:
 INFORMATION FOR SEQ ID NO: 4:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 507 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 US-08-964-725-4

Query Match
 Best Local Similarity 18.1%; Score 56.4; DB 2; Length 507;
 Matches 93; Conservative 0; Mismatches 61; Indels 0; Gaps 0;
 QY 137 CCGTGGCCACCCCTGGGCACTCAACCCGCTGAAGCTCTGCTGAGCAGCCCTGGCA 196
 DB 195 CTCTGACACATCTTCTCCCTTTATGATCCATTAAAGCTTCTGAAAACCTCGGCA 254
 QY 197 TCCTGGTGAACCACTCATAGAGGCTCCAGAGTGTGTGCTGAGCTGGTCCAGG 256
 DB 255 TTTCTGTGAGCACCCTGTGTGAGAGGCTTAAGAGTGTAAATGAGCTGGACAGAGG 314
 QY 257 CCGTGGGGCCCTGAAGGCCCTGAAGGCCCTGCT 290
 DB 315 CTCTGAAGCTGTGAAGAACTGCTGGAGGCGCT 348

RESULT 4

US-08-964-725-5
 Sequence 5, Application US/08964725
 Patent No. 5939265

GENERAL INFORMATION:

APPLICANT: COHEN, Maurice
 APPLICANT: FRIEDMAN, Paula N.
 APPLICANT: GORDON, Sulian
 APPLICANT: HODGES, Steven C.
 APPLICANT: KLASS, Michael R.
 APPLICANT: KRATOCHVIL, Jon D.
 APPLICANT: ROBERTS-RAPP, Lisa
 APPLICANT: RUSSELL, John C.
 APPLICANT: STROUPE, Steven D.
 TITLE OF INVENTION: REAGENTS AND METHODS USEFUL
 NUMBER OF SEQUENCES: 19
 FOR DETECTING DISEASES OF THE LUNG
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Abbott Laboratories
 STREET: 100 Abbott Park Road
 CITY: Abbott Park
 STATE: IL
 COUNTRY: USA
 ZIP: 60064-3500
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette
 COMPUTER: IBM Compatible
 OPERATING SYSTEM: DOS
 SOFTWARE: FASTSEQ for Windows Version 2.0
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/964,725
 FILING DATE:
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER:
 FILING DATE:
 ATTORNEY/AGENT INFORMATION:
 NAME: Becker, Cheryl L.
 REGISTRATION NUMBER: 35,441
 REFERENCE/DOCKET NUMBER: 5997 US-P1
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 847/935-1729
 TELEFAX: 847/938-2623
 TELEX:
 INFORMATION FOR SEQ ID NO: 5:

SEQUENCE CHARACTERISTICS:
 LENGTH: 519 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 US-08-964-725-5

Query Match
 Best Local Similarity 18.1%; Score 56.4; DB 2; Length 519;
 Matches 93; Conservative 0; Mismatches 61; Indels 0; Gaps 0;
 QY 137 CCGTGGCCACCCCTGGGCACTCAACCCGCTGAAGCTCTGCTGAGCAGCCCTGGCA 196
 DB 208 CTCTGACACATCTTCTCCCTTTATGATCCATTAAAGCTTCTGAAAACCTCGGCA 267
 QY 197 TCCTGGTGAACCACTCATAGAGGCTCCAGAGTGTGTGCTGAGCTGGTCCAGG 256
 DB 268 TTTCTGTGAGCACCCTGTGTGAGAGGCTTAAGAGTGTGTAAATGAGCTGGACAGAGG 327
 QY 257 CCGTGGGGCCCTGAAGGCCCTGAAGGCCCTGCT 290
 DB 328 CTCTGAAGCTGTGAAGAACTGCTGGAGGCGCT 361

RESULT 5

US-09-620-312D-47
 Sequence 47, Application US/09620312D
 Patent No. 6569662

GENERAL INFORMATION:

APPLICANT: Tang, Y. Tom
 APPLICANT: Liu, Chenghua
 APPLICANT: Asundi, Vinod
 APPLICANT: Zhang, Jie
 APPLICANT: Ren, Feiyen
 APPLICANT: Chen, Rui-hong
 APPLICANT: Zhao, Qing A.
 APPLICANT: Weinman, Tom
 APPLICANT: Xue, Aidong J.
 APPLICANT: Yang, Yonghong
 APPLICANT: Zhou, Jian-Rui
 APPLICANT: Zhou, Ping
 APPLICANT: Ma, Yungqing
 APPLICANT: Wang, Dunrui
 APPLICANT: Wang, Zhimei
 APPLICANT: John Tillinghast
 APPLICANT: Drmanac, Radcoje T.
 TITLE OF INVENTION: NO. 6569662a1 Nucleic Acids and
 FILE REFERENCE: 784CIP2B
 POLYPEPTIDES
 CURRENT APPLICATION NUMBER: US/09/620,312D
 CURRENT FILING DATE: 2000-07-19
 PRIOR APPLICATION NUMBER: 09/552,317
 PRIOR FILING DATE: 2000-04-25
 PRIOR APPLICATION NUMBER: 09/488,725
 PRIOR FILING DATE: 2000-01-21
 NUMBER OF SEQ ID NOS: 1105
 SOFTWARE: PC-FL-genes Version 1.0
 SEQ ID NO 47
 LENGTH: 2497
 TYPE: DNA
 ORGANISM: Homo sapiens
 FEATURE:
 NAME/KEY: CDS
 LOCATION: (107)..(1756)
 FEATURE:
 NAME/KEY: misc_feature
 LOCATION: (1)..(2497)
 OTHER INFORMATION: n = a, l, c or g
 US-09-620-312D-47

Query Match
 Best Local Similarity 15.8%; Score 49.2; DB 4; Length 2497;
 Matches 151; Conservative 0; Mismatches 148; Indels 3; Gaps 1;

```
QY 3 GAAGCTGCGCCCTCTCTGCGGCTTGTGCGCCCTGTCTGACGTCCGCTGTCTTT 62
DB 1099 GTACCTGCTGCTGAGCGGCGGCTTGAAGCAAGGCTGGGAGAACTCCCTGTGGCCCTT 1158
QY 63 CTTAGTGGGCTCG--GCCAAGCCTGTGGGCCAGCCTGTGCTGCTGCGTGGAGTGGCGGC 119
DB 1159 CGTGGGGGAGGTGGTGGCCGCTCTGCGGCCCGCGGGGGGGGGGGGGGGGGGGGGGG 1218
QY 120 GGAAGCGCGGGCGGAGACCTGCGCAACCCCTGCGCACCTTCACCCGCTGAAGCTCT 179
DB 1219 TCGGGCCATGGGTGGCGCGCTGCGCTCAATGATGCGGCTCATGACCTACGCGCGGCGCA 1278
QY 180 GCTGACAGCCTGGGCGATCCCGTGAACACCTCATAGAGGGCTCCAGAGTGTGGC 239
DB 1279 ATTCAGTCCCTGCGACACGACGATGCGGGCGCTGATCCGCCCTTCGCGAGGCTTGGC 1338
QY 240 TGAGCTGGGTCCTCCAGCGCGTGGGGCGCGTGAAGCGCTGAAGCGCTGTGGGGCGCT 299
DB 1339 CAGGTAAACACGCTGTGTGATGCGACGCGCGGCGCTTACCGCTACTGTGAACGAT 1398
QY 300 GA 301
DB 1399 GA 1400

RESULT 6
US-09-252-991A-3660
; Sequence 3660, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; PRIOR FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 3660
; LENGTH: 2274
; TYPE: DNA
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-3660

Query Match 14.9%; Score 46.6; DB 4; Length 2274;
Best Local Similarity 51.2%; Pred. No. 0.22;
Matches 109; Conservative 0; Mismatches 104; Indels 0; Gaps 0;

QY 88 GCCCAGCCTGTGCTGCTGAGTGGCGGCGGAGCGGGCGCGGACCTGGCCAC 147
DB 112 GTCTGTGTTCCGCGCGAGCGCTGCGCGCGCGAGATCCGACCGATACCGCCAGATAC 171
QY 148 CCCCTGGGACCTCAACCCGCTGAAGCTCTCTGAGCAGCCTGGGCAATCCCGTGAAAC 207
DB 172 TACCGGCTGCGCCCGCGAGCGCGTGGAGCAGGCGCTTAACCACTAGCGCCCGCAGCGGC 231
QY 208 CACCTCATAGAGGCTCCAGAGATGTGTGGCTGAGCTGGTCCCGAGCGCGTGGGGCC 267
DB 232 GTCTGTGCTCTTACGCGCGGAAACAGACCGCGCGCGCGCGGCGAGCAGCGCTGGAGCGC 291
QY 268 GTGAAGCGCTGAAGCGCGCTGTGGGGGCGCTG 300
DB 292 GAGTACACCTGGAGGAAGCCCTGGCGCCCTG 324

RESULT 7
US-09-252-991A-3615
; Sequence 3615, Application US/09252991A
; Patent No. 6551795

; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; PRIOR FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 3615
; LENGTH: 3297
; TYPE: DNA
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-3615

Query Match 14.9%; Score 46.6; DB 4; Length 3297;
Best Local Similarity 51.2%; Pred. No. 0.22;
Matches 109; Conservative 0; Mismatches 104; Indels 0; Gaps 0;

QY 88 GCCCAGCCTGTGCTGCTGAGTGGCGGCGGAGCGCGGGGACCTGGCCAC 147
DB 161 GTCTGTGTTCCGCGCGAGCGCTGCGCGCGCGAGATCCGACCGATACCGCCAGTAC 220
QY 148 CCCCTGGGACCTCAACCCGCTGAAGCTCTCTGAGCAGCCTGGGCAATCCCGTGAAAC 207
DB 221 TACCGGCTGCGCCCGCGAGCGCGTGGAGCAGCGCTGAACCACTAGCGCGCGCGAGCGC 280
QY 208 CACCTCATAGAGGCTCCCGAGAGTGTGTGCTGAGCTGGTCCCGAGCGCGTGGGGGC 267
DB 281 GTGCTGATCGCTTGAAGCGCGGAGACGACCGCGCGCGCGAGCAGCGCTGTGAGCGC 340
QY 268 GTGAAGCGCGCTGAAGCGCGCTGTGGGGCGCTG 300
DB 341 GAGTACACCTGTGAGGAAGCCCTGGCGCCCTG 373

RESULT 8
US-09-252-991A-13281/c
; Sequence 13281, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; PRIOR FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 13281
; LENGTH: 432
; TYPE: DNA
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-13281

Query Match 14.8%; Score 46.2; DB 4; Length 432;
Best Local Similarity 47.2%; Pred. No. 0.27;
Matches 141; Conservative 0; Mismatches 158; Indels 0; Gaps 0;

QY 9 CCGCGCGCTGCGGCGCTGCTGAGTGGCGCTGCTGCAAGTCCGCTGCTTCTTATGT 68
DB 408 CGCGGTGGGACACCGGCTCAACGCGCGGAGGCGCTTCCGCGAGCCATGCGCGGGAAT 349
QY 69 GGGCTGGGCAAGCTGTGGCGCGCAGCTGTGCTGCTGAGTGGGGGGGAGAGCGCG 128
DB 348 CCGCGCGAATGGGCGCTGCTGTGTGCGCGCGCGGCAAMAAGTTGCGCGCTGGCGCG 289
```


Db 637 GATGGCAAGACCTGCGCTGCTCCGGCCACCGCCGCGCTTCCGAGGTGA 578
QY 249 TCCCGAGCGCGTGGGGCGGTGAAGCCCTGCTGCGGGCCCTGACACTG 307
Db 577 GCTGCGGCGCACGACCGGGCAGCTGATCATGCGCGGCAAGTCAACCCGACCA 519

RESULT 12
US-09-252-991A-7316
; Sequence 7316, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; PRIOR FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 7316
; LENGTH: 729
; TYPE: DNA
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-7316

Query Match 14.2%; Score 44.2; DB 4; Length 729;
Best Local Similarity 51.0%; Pred. No. 0.67; Indels 3; Gaps 1;
Matches 131; Conservative 0; Mismatches 123;

QY 26 TCTGCGTGGCCCTGCTCCGAGCTCCGCTGCTGCTTCTTCTAGTGGCTCGCCCAAGCTG 85
Db 240 TCCAGCGGGCGGGCGGGCGGACGAGGCTGAGGCTTCCCGGCTGCGCGAGAGGCTG 299
QY 86 TGGCCAGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 145
Db 300 GGGCGGTGGCGGGCGGGCGGGCGGGCGGGCGGGCGGGCGGGCGGGCGGGCGGGCG 359
QY 146 ACCCCCTCGGACCTCAACCCGCTGAGCTCTGCTGAGCAAGCTGAGCAATCCCGTGA 205
Db 360 TGCAGATGCGACGACGAGCGGCTGACGCTGATGCAAGCGGACGACCAAGTTG--GTGG 416
QY 206 ACCACCTCATAGAGGCTCCAGAGTGTGTGCTGAGTGGGTCGCCAGGCGGTGGGG 265
Db 417 ACCAGAGCGTGCAGCGAGCGGCTTGCAGACGAGCGGCGGCTGGGCAACATCGCAGCGG 476
QY 266 CCGTGAAGGCCCTGAAG 282
Db 477 TGGCGCTGATCCAGCAG 493

RESULT 13
US-09-252-991A-7185/C
; Sequence 7185, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; PRIOR FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 7185
; LENGTH: 1083

; TYPE: DNA
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-7185

Query Match 14.2%; Score 44.2; DB 4; Length 1083;
Best Local Similarity 51.0%; Pred. No. 0.67; Indels 3; Gaps 1;
Matches 131; Conservative 0; Mismatches 123;

QY 26 TCTGCGTGGCCCTGCTCCGAGCTCCGCTGCTGCTTCTTCTAGTGGCTCGCCCAAGCTG 85
Db 346 TCGAGCGCGCGGGCGGGCGGGCGGACGAGGCTGAGGCTTCCCGCTCCGACGAGTGC 287
QY 86 TGGCCAGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 145
Db 286 GGGCGCTGGCGGGCGGACCCAGCTCCAGGCGCGGATGAGACCTCTGATCGGTGCT 227
QY 146 ACCCCCTCGGACCTCAACCCGCTGAGCTCTGCTGAGCAGCTGGGCAATCCCGTGA 205
Db 226 TGCAGATGCGACGACGAGCGGCTGACGCTGATGCAAGCGGACGACCAAGTTG--GTGG 170
QY 206 ACCACCTCATAGAGGCTCCAGAGTGTGTGCTGAGTGGTCCAGGCGGTGGGG 265
Db 169 ACCAGAGGCTGACGACGAGGCTTGCAGACGAGCGGCGCTGGGCAACATCGCAGCGG 110
QY 266 CCGTGAAGGCCCTGAAG 282
Db 109 TGGCGCTGATCCAGCAG 93

RESULT 14
US-09-252-991A-7304/C
; Sequence 7304, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; PRIOR FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 7304
; LENGTH: 1572
; TYPE: DNA
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-7304

Query Match 14.2%; Score 44.2; DB 4; Length 1572;
Best Local Similarity 51.0%; Pred. No. 0.66; Indels 3; Gaps 1;
Matches 131; Conservative 0; Mismatches 123;

QY 26 TCTGCGTGGCCCTGCTCCGAGCTCCGCTGCTGCTTCTTCTAGTGGCTCGCCCAAGCTG 85
Db 413 TCGAGCGCGCGGGCGGGCGGGCGGACGAGGCTCGAGGCTTCCCGCTCCGACGAGTGC 354
QY 86 TGGCCAGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 145
Db 353 GGGCGCTGGCGGGCGGACCCAGCTCCAGGCGCGGATGAGACCTCTGATCGGTGCT 294
QY 146 ACCCCCTCGGACCTCAACCCGCTGAGCTCTGCTGAGCAGCTGGGCAATCCCGTGA 205
Db 293 TGCAGATGCGACGAGCAGCGGCTGTCAGGCTGATGCAAGCGGACGACCAAGTTG--GTGG 237
QY 206 ACCACCTCATAGAGGCTCCAGAGTGTGTGCTGAGTGGTCCAGGCGGTGGGG 265
Db 236 ACCAGAGGCTGACGACGAGGCTTGCAGACGAGCGGCGCTGGGCAACATCGCAGCGG 177
QY 266 CCGTGAAGGCCCTGAAG 282

Db 176 TGGCGCTGATCCACGAC 160

Search completed: September 20, 2003, 01:40:46
Job time : 37.0684 secs

RESULT 15

US-08-555-669-11
Sequence 11, Application |us/08555669
Patent No. 5773248

GENERAL INFORMATION:

APPLICANT: Brewton, Richard G.
APPLICANT: Mayne, Richard
TITLE OF INVENTION: TYPE IX COLLAGEN AND FRAGMENTS THEREOF
NUMBER OF SEQUENCES: 132
CORRESPONDENCE ADDRESS:
ADDRESS: Pennile & Edmonds
STREET: 1155 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: USA
ZIP: 10036

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/555,669
FILING DATE: 13-NOV-1995
CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:

NAME: Halluin, Albert P.
REGISTRATION NUMBER: 25,227
REFERENCE/DOCKET NUMBER: 8389-030
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-854-3660
TELEFAX: 415-854-3694

INFORMATION FOR SEQ ID NO: 11:

SEQUENCE CHARACTERISTICS:
LENGTH: 2543 base pairs
TYPE: nucleic acid
STRANDEDNESS: unknown
TOPOLOGY: unknown
MOLECULE TYPE: cDNA
FEATURE:
NAME/KEY: CDS
LOCATION: 47..2098
US-08-555-669-11

Query Match 14.2% Score 44.2; DB 1; Length 2543;
Best Local Similarity 47.3%; Fred. No. 0.66; Indels 0; Gaps 0;

Matches 133; Conservative 0; Mismatches 148; Indels 0; Gaps 0;

QY	6	GCTCGCGCCCTCTGCGGCTCTGCGTGGCCCTCTGCTGCAAGCTCGCTGCTTCTT	65
DB	1211	GCCCTCGGCCCAACAAGGCCCTCCGAGCCCTCTGCTGCTGCTTCCAGGCGCAGAG	1270
QY	66	AGTGGGCTCGGCAAGCCTGTGGCCACCTGTGCTGCTGAGTGCGGCGGAGGC	125
DB	1271	GGCACGATGGGAGACCCCGGCTTCCAGGCCCGCCGAGGCTTCGAGTGACGTGGGCGAC	1330
QY	126	CGGGGCGGGGACCTGTGGCCCAACCCCTCGGCAACCTCAACCCGCTGAAGCTCTGCTGAG	185
DB	1331	CGGGGTCCGGAGGTGCGCAAGGCCCTTAAGGAGACAGGGATGTCAGAGTTCCGACGCT	1390
QY	186	CAGCTGGGACCCCGTGAACCACTATAGAGGCTCCAGAGTGTGTGCTGAGCT	245
DB	1391	CTTCTGGGATTAAGAGAACTGGGTCCAGCGGCTGTGTGCGACCAAGAGAGTCT	1450
QY	246	GGGTCCCAAGCGCGGTGAAGGCGCCCTGAAGGCC	286
DB	1451	GCACTCGAGGGGAGCTGGGCCCAAGGCAACCCAGGCTCC	1491

GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on: September 20, 2003, 01:39:14 ; Search time 124.366 Seconds
(without alignments)
6171.248 Million cell updates/sec

Title: US-10-081-817A-3

Perfect score: 312
Sequence: 1 atgaagctgcgcgcctcct.....gggccttagacagtgttgc 312

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 1660708 seqs, 122959015 residues

Total number of hits satisfying chosen parameters: 3321416

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Published Applications -NA:*

- 1: /cgn2_6/ptodata/1/pubpna/us07_PUBCOMB.seq:*
- 2: /cgn2_6/ptodata/1/pubpna/PCT_NEW_PUB.seq:*
- 3: /cgn2_6/ptodata/1/pubpna/US06_NEW_PUB.seq:*
- 4: /cgn2_6/ptodata/1/pubpna/US06_PUBCOMB.seq:*
- 5: /cgn2_6/ptodata/1/pubpna/US07_NEW_PUB.seq:*
- 6: /cgn2_6/ptodata/1/pubpna/PCUS_PUBCOMB.seq:*
- 7: /cgn2_6/ptodata/1/pubpna/US08_NEW_PUB.seq:*
- 8: /cgn2_6/ptodata/1/pubpna/US09_PUBCOMB.seq:*
- 9: /cgn2_6/ptodata/1/pubpna/US09_PUBCOMB.seq:*
- 10: /cgn2_6/ptodata/1/pubpna/US09_PUBCOMB.seq:*
- 11: /cgn2_6/ptodata/1/pubpna/US09_NEW_PUB.seq:*
- 12: /cgn2_6/ptodata/1/pubpna/US10_PUBCOMB.seq:*
- 13: /cgn2_6/ptodata/1/pubpna/US10_PUBCOMB.seq:*
- 14: /cgn2_6/ptodata/1/pubpna/US10_NEW_PUB.seq:*
- 15: /cgn2_6/ptodata/1/pubpna/US60_NEW_PUB.seq:*
- 16: /cgn2_6/ptodata/1/pubpna/US60_PUBCOMB.seq:*
- 17: /cgn2_6/ptodata/1/pubpna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length DB	ID	Description
1	312	100.0	312	US-10-081-817-3	Sequence 3, Appl1
2	308.8	99.0	561	US-10-237-435-6	Sequence 6, Appl1
3	308.8	99.0	561	US-10-210-951-7	Sequence 27, Appl1
4	308.8	99.0	570	US-09-989-722-407	Sequence 407, App
5	308.8	99.0	570	US-09-989-723-407	Sequence 407, App
6	308.8	99.0	570	US-09-989-727-407	Sequence 407, App
7	308.8	99.0	570	US-09-989-731-407	Sequence 407, App
8	308.8	99.0	570	US-09-989-732-407	Sequence 407, App
9	308.8	99.0	570	US-09-989-733-407	Sequence 407, App
10	308.8	99.0	570	US-09-989-734-407	Sequence 407, App
11	308.8	99.0	570	US-09-989-735-407	Sequence 407, App
12	308.8	99.0	570	US-09-989-736-407	Sequence 407, App
13	308.8	99.0	570	US-09-989-737-407	Sequence 407, App
14	308.8	99.0	570	US-09-989-738-407	Sequence 407, App
15	308.8	99.0	570	US-09-989-739-407	Sequence 407, App
16	308.8	99.0	570	US-09-989-740-407	Sequence 407, App

17	308.8	99.0	570	US-09-989-741-407	Sequence 407, App
18	308.8	99.0	570	US-09-989-742-407	Sequence 407, App
19	308.8	99.0	570	US-09-989-743-407	Sequence 407, App
20	308.8	99.0	570	US-09-989-744-407	Sequence 407, App
21	308.8	99.0	570	US-09-989-745-407	Sequence 407, App
22	308.8	99.0	570	US-09-989-746-407	Sequence 407, App
23	308.8	99.0	570	US-09-989-747-407	Sequence 407, App
24	308.8	99.0	570	US-09-989-748-407	Sequence 407, App
25	308.8	99.0	570	US-09-989-749-407	Sequence 407, App
26	308.8	99.0	570	US-09-989-750-407	Sequence 407, App
27	308.8	99.0	570	US-09-989-751-407	Sequence 407, App
28	308.8	99.0	570	US-09-989-752-407	Sequence 407, App
29	308.8	99.0	570	US-09-989-753-407	Sequence 407, App
30	308.8	99.0	570	US-09-989-754-407	Sequence 407, App
31	308.8	99.0	570	US-09-989-755-407	Sequence 407, App
32	308.8	99.0	570	US-09-989-756-407	Sequence 407, App
33	308.8	99.0	570	US-09-989-757-407	Sequence 407, App
34	308.8	99.0	570	US-09-989-758-407	Sequence 407, App
35	308.8	99.0	570	US-09-989-759-407	Sequence 407, App
36	308.8	99.0	570	US-09-989-760-407	Sequence 407, App
37	308.8	99.0	570	US-09-989-761-407	Sequence 407, App
38	308.8	99.0	570	US-09-989-762-407	Sequence 407, App
39	308.8	99.0	570	US-09-989-763-407	Sequence 407, App
40	308.8	99.0	570	US-09-989-764-407	Sequence 407, App
41	308.8	99.0	570	US-09-989-765-407	Sequence 407, App
42	308.8	99.0	570	US-09-989-766-407	Sequence 407, App
43	308.8	99.0	570	US-09-989-767-407	Sequence 407, App
44	308.8	99.0	570	US-09-989-768-407	Sequence 407, App
45	308.8	99.0	570	US-09-989-769-407	Sequence 407, App

ALIGNMENTS

```

RESULT 1
US-10-081-817-3
; Sequence 3, Application US/10081817
; Publication No. US20020183501A1
; GENERAL INFORMATION:
; APPLICANT: Polyak, Kornelia
; APPLICANT: Portier, Dale
; APPLICANT: Sgroi, Dennis
; APPLICANT: Krop, Ian
; TITLE OF INVENTION: HIT-1, A TUMOR SUPPRESSOR GENE
; FILE REFERENCE: 00530-094001
; CURRENT APPLICATION NUMBER: US/10/081, 817
; CURRENT FILING DATE: 2002-05-31
; PRIOR APPLICATION NUMBER: 60/270, 973
; PRIOR FILING DATE: 2001-02-23
; PRIOR APPLICATION NUMBER: 60/351, 908
; PRIOR FILING DATE: 2002-01-25
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: FASTSEQ for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 312
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-081-817-3

Query Match      100.0%   Score 312: DB 13: Length 312:
Best Local Similarity 100.0%   Pred No 2e+64: 0: Indels 0: Gaps 0:
Matches 312: Conservative 0: Mismatches 0:

QY      1 ATGAAGCTGCGCCCTCTCTGCGGCTGCGGCTGCTGCTGAGCTGCGGCTGCT 60
      1 ATGAAGCTGCGCCCTCTCTGCGGCTGCGGCTGCTGCTGAGCTGCGGCTGCT 60
Db      61 TTCTTAGTGGCTGCGGCAAGCTGCTGCGGCTGCGGCTGCGGCTGCGGCTGCG 120
      61 TTCTTAGTGGCTGCGGCAAGCTGCTGCGGCTGCGGCTGCGGCTGCGGCTGCG 120
QY      121 GAGGCGGCGGCGGAGACCTGCGCAACCCCTGCGACCTGCGCAACCCGCTGAGTCTGCT 180
      121 GAGGCGGCGGCGGAGACCTGCGCAACCCCTGCGACCTGCGCAACCCGCTGAGTCTGCT 180

```

DB 121 GAGCCGGGGGCGGAGCCCTGGCCACCCCTCGGACCCCTCAACCCGCTGAAGCTCTG 180
QY 181 CTGAGCAGCCTGGGATCCCGGTGAACCACTCATATAGAGGCTCCCAAGAGTGTGGCT 240
DB 181 CTGAGCAGCCTGGGATCCCGGTGAACCACTCATATAGAGGCTCCCAAGAGTGTGGCT 240
QY 241 GAGCTGGGCTCCCGAGGCGCTGGGGCGCTGAAAGCCCTGAAAGCCCTGCTGGGGCGCTG 300
DB 241 GAGCTGGGCTCCCGAGGCGCTGGGGCGCTGAAAGCCCTGAAAGCCCTGCTGGGGCGCTG 300
QY 301 ACAGTGTGGC 312
DB 301 ACAGTGTGGC 312

RESULT 2

US-10-237-435-6
; Sequence 6 Application US/10237435
; Publication No. US20030124580A1
; GENERAL INFORMATION:
; APPLICANT: Walzer, Michael G.
; APPLICANT: Spiro, Peter A.
; TITLE OF INVENTION: LONG SURFACTANT MOLECULES
; FILE REFERENCE: PB-0019 US
; CURRENT APPLICATION NUMBER: US/10/237,435
; PRIOR FILING DATE: 2002-09-06
; PRIOR APPLICATION NUMBER: 60/317,822
; PRIOR FILING DATE: 09-07-2001
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: PERL Program
; SEQ ID NO 6
; LENGTH: 561
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; OTHER INFORMATION: Incyte ID No. US20030124580A1 242745.1
US-10-237-435-6

Query Match 99.0%; Score 308.8; DB 14; Length 561;
Best Local Similarity 99.4%; Pred. No. 1e-63; 2; Indels 0; Gaps 0;
Matches 310; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 ATGAAGCTGCGCGCCCTCTGGGGCTGCGCTGGCCCTGCTGACCTCCGCTGCT 60
DB 117 ATGAAGCTGCGCGCCCTCTGGGGCTGCGCTGGCCCTGCTGACCTCCGCTGCT 176
QY 61 TTCTTAGTGGCTGGGCAAGCCTGTAGGCCAGGCTGCTGCTGCTGAGTGGGCGG 120
DB 177 TTCTTAGTGGCTGGGCAAGCCTGTAGGCCAGGCTGCTGCTGCTGAGTGGGCGG 236
QY 121 GAGCCGGGGGCGGAGCCCTGCGCAACCCCTGGGCAACCCCTGGAAGCTCTG 180
DB 237 GAGCCGGGGGCGGAGCCCTGCGCAACCCCTGGGCAACCCCTGGAAGCTCTG 296
QY 181 CTGAGCAGCCTGGGATCCCGGTGAACCACTCATATAGAGGCTCCCAAGAGTGTGGCT 240
DB 297 CTGAGCAGCCTGGGATCCCGGTGAACCACTCATATAGAGGCTCCCAAGAGTGTGGCT 356
QY 241 GAGCTGGGCTCCCGAGGCGCTGGGGCGCTGAAAGCCCTGAAAGCCCTGCTGGGGCGCTG 300
DB 357 GAGCTGGGCTCCCGAGGCGCTGGGGCGCTGAAAGCCCTGAAAGCCCTGCTGGGGCGCTG 416
QY 301 ACAGTGTGGC 312
DB 417 ACAGTGTGGC 428

RESULT 3
US-10-210-951-27
; Sequence 27 Application US/10210951
; Publication No. US20030170228A1

; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Goddard, Audrey J.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Marsters, Scott A.
; APPLICANT: Pan, James
; APPLICANT: Pitti, Robert M.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Smith, Victoria
; APPLICANT: Stone, Donna M.
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE TREATMENT OF TUMOR
; FILE REFERENCE: P2931R1C1
; CURRENT APPLICATION NUMBER: US/10/210,951
; PRIOR FILING DATE: 2002-08-02
; PRIOR APPLICATION NUMBER: 60/014699
; PRIOR FILING DATE: 1996-04-01
; PRIOR APPLICATION NUMBER: 60/026943
; PRIOR FILING DATE: 1996-09-23
; PRIOR APPLICATION NUMBER: 60/059121
; PRIOR FILING DATE: 1997-07-17
; PRIOR APPLICATION NUMBER: 60/059352
; PRIOR FILING DATE: 1997-09-19
; PRIOR APPLICATION NUMBER: 60/062037
; PRIOR FILING DATE: 1997-10-10
; PRIOR APPLICATION NUMBER: 60/063755
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063045
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063046
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/065111
; PRIOR FILING DATE: 1997-11-24
; PRIOR APPLICATION NUMBER: 60/066772
; PRIOR FILING DATE: 1997-11-24
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 258
; SEQ ID NO 27
; LENGTH: 569
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-210-951-27

Query Match 99.0%; Score 308.8; DB 12; Length 569;
Best Local Similarity 99.4%; Pred. No. 1e-63; 2; Indels 0; Gaps 0;
Matches 310; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 ATGAAGCTGCGCGCCCTCTGGGGCTGCGCTGGCCCTGCTGACCTCCGCTGCT 60
DB 79 ATGAAGCTGCGCGCCCTCTGGGGCTGCGCTGGCCCTGCTGACCTCCGCTGCT 138
QY 61 TTCTTAGTGGCTGGGCAAGCCTGTAGGCCAGGCTGCTGCTGCTGAGTGGGCGG 120
DB 139 TTCTTAGTGGCTGGGCAAGCCTGTAGGCCAGGCTGCTGCTGCTGAGTGGGCGG 198
QY 121 GAGCCGGGGGCGGAGCCCTGCGCAACCCCTGGGCAACCCCTGGAAGCTCTG 180
DB 199 GAGCCGGGGGCGGAGCCCTGCGCAACCCCTGGGCAACCCCTGGAAGCTCTG 258
QY 181 CTGAGCAGCCTGGGATCCCGGTGAACCACTCATATAGAGGCTCCCAAGAGTGTGGCT 240
DB 259 CTGAGCAGCCTGGGATCCCGGTGAACCACTCATATAGAGGCTCCCAAGAGTGTGGCT 318
QY 241 GAGCTGGGCTCCCGAGGCGCTGGGGCGCTGAAAGCCCTGAAAGCCCTGCTGGGGCGCTG 300
DB 319 GAGCTGGGCTCCCGAGGCGCTGGGGCGCTGAAAGCCCTGAAAGCCCTGCTGGGGCGCTG 378
QY 301 ACAGTGTGGC 312
DB 379 ACAGTGTGGC 390

```

RESULT 4
US-09-989-722-407
; Sequence 407, Application US/09989722
; Patent No. US20020072067A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gertlisen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kijavlin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2730P1C63
; CURRENT FILING DATE: 2001-11-19
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/065186
; PRIOR FILING DATE: 1997-11-12
; PRIOR APPLICATION NUMBER: 60/065311
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: 60/066770
; PRIOR FILING DATE: 1997-11-24
; PRIOR APPLICATION NUMBER: 60/075945
; PRIOR FILING DATE: 1998-02-25
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/083322
; PRIOR FILING DATE: 1998-04-28
; PRIOR APPLICATION NUMBER: 60/084600
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/087106
; PRIOR FILING DATE: 1998-05-28
; PRIOR APPLICATION NUMBER: 60/087607
; PRIOR FILING DATE: 1998-06-02
; PRIOR APPLICATION NUMBER: 60/087609
; PRIOR FILING DATE: 1998-06-02
; PRIOR APPLICATION NUMBER: 60/087759
; PRIOR FILING DATE: 1998-06-02
; PRIOR APPLICATION NUMBER: 60/087827
; PRIOR FILING DATE: 1998-06-03
; PRIOR APPLICATION NUMBER: 60/088021
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088025
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088026
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088028
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088029

```

```

; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088030
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088033
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088326
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088167
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088202
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088212
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088217
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088555
; PRIOR FILING DATE: 1998-06-09
; PRIOR APPLICATION NUMBER: 60/088734
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088738
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088742
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088810
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088824
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088826
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088858
; PRIOR FILING DATE: 1998-06-11
; PRIOR APPLICATION NUMBER: 60/088861
; PRIOR FILING DATE: 1998-06-11
; PRIOR APPLICATION NUMBER: 60/088876
; PRIOR FILING DATE: 1998-06-11
; PRIOR APPLICATION NUMBER: 60/089105
; PRIOR FILING DATE: 1998-06-12
; PRIOR APPLICATION NUMBER: 60/089440
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089512
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089514
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089532
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089538
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089598
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089599
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089600
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089653
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089801
; PRIOR FILING DATE: 1998-06-18
; PRIOR APPLICATION NUMBER: 60/089907
; PRIOR FILING DATE: 1998-06-18
; PRIOR APPLICATION NUMBER: 60/089908
; PRIOR FILING DATE: 1998-06-18
; PRIOR APPLICATION NUMBER: 60/089947
; PRIOR FILING DATE: 1998-06-19
; PRIOR APPLICATION NUMBER: 60/089948
; PRIOR FILING DATE: 1998-06-19
; PRIOR APPLICATION NUMBER: 60/089952
; PRIOR FILING DATE: 1998-06-19
; PRIOR APPLICATION NUMBER: 60/090246
; PRIOR FILING DATE: 1998-06-22
; PRIOR APPLICATION NUMBER: 60/090252
; PRIOR FILING DATE: 1998-06-22
; PRIOR APPLICATION NUMBER: 60/090254
; PRIOR FILING DATE: 1998-06-22

```

PRIOR APPLICATION NUMBER: 60/090349
PRIOR FILING DATE: 1998-06-23
PRIOR APPLICATION NUMBER: 60/090355
PRIOR FILING DATE: 1998-06-23
PRIOR APPLICATION NUMBER: 60/090429
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090431
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090435
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090444
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090445
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090472
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090535
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090540
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090542
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090557
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090676
PRIOR FILING DATE: 1998-06-25
PRIOR APPLICATION NUMBER: 60/090678
PRIOR FILING DATE: 1998-06-25
PRIOR APPLICATION NUMBER: 60/090690
PRIOR FILING DATE: 1998-06-25
PRIOR APPLICATION NUMBER: 60/090694
PRIOR FILING DATE: 1998-06-25
PRIOR APPLICATION NUMBER: 60/090695
PRIOR FILING DATE: 1998-06-25
PRIOR APPLICATION NUMBER: 60/090696
PRIOR FILING DATE: 1998-06-25
PRIOR APPLICATION NUMBER: 60/090862
PRIOR FILING DATE: 1998-06-26
PRIOR APPLICATION NUMBER: 60/090863
PRIOR FILING DATE: 1998-06-26
PRIOR APPLICATION NUMBER: 60/091360
PRIOR FILING DATE: 1998-07-01
PRIOR APPLICATION NUMBER: 60/091478
PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091544
PRIOR FILING DATE: 1998-07-01
PRIOR APPLICATION NUMBER: 60/091519
PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091626
PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091633
PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091978
PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/091982
PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/092182
PRIOR FILING DATE: 1998-07-09

Query Match 99.0%; Score 308.8; DB 9; Length 570;
Best Local Similarity 99.4%; Pred. No. 1e-63;
Matches 310; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 ATGAAGTCGCGCCCTGCGGCGCTGCGTGGCCCTGCGTGCAGCTCCGCTGCTGCT 60
DB 79 ATGAAGTCGCGCCCTGCGGCGCTGCGTGGCCCTGCGTGCAGCTCCGCTGCTGCT 138
QY 61 TTCTTACTGGGCTGGCGCAAGCTGTGGCCCACTGCTGCTGCTGCTGCTGCTGCTGCTGCT 120
DB 139 TTCTTACTGGGCTGGCGCAAGCTGTGGCCCACTGCTGCTGCTGCTGCTGCTGCTGCTGCT 198
QY 121 GAGGCCGGGCGCGGAGCCCTGGCGCAACCCCTTGGGAGCAACCCCTGAAGCTCTCTG 180

DB 199 GAGCGCGGGGCGGCGGACCTGTGGCAACCCCTGCGGACCCCTGCAAGCTCTGCTG 258
QY 181 CTGAGCAGCCTGGGCGATCCCGCTGAACCACTCATAGAGGCGCTCCGAGAGTGTGCGCT 240
DB 259 CTGAGCAGCCTGGGCGATCCCGCTGAACCACTCATAGAGGCGCTCCGAGAGTGTGCGCT 318
QY 241 GAGCTGGTCCCGAGCGCGTGGGCGCGCTGAAGCCCTGAAGGCCCTGCTGGGGCCCTG 300
DB 319 GAGCTGGTCCCGAGCGCGTGGGCGCGCTGAAGGCCCTGCTGGGGCCCTG 378
QY 301 ACAGTGTTTGGC 312
DB 379 ACAGTGTTTGGC 390

RESULT 5

US-09-989-723-407
Sequence 407, Application US/09989723
Patent No. US20020072092A1

GENERAL INFORMATION:

APPLICANT: Ashkenazi, Avi J.
APPLICANT: Baker, Kevin P.
APPLICANT: Boistein, David
APPLICANT: Desroyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Fong, Sherman
APPLICANT: Geider, Hanspeter
APPLICANT: Gerlitsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Kljavin, Ivar J.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tamas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P27309162
CURRENT APPLICATION NUMBER: US/09/989,723
CURRENT FILING DATE: 2001-11-19
PRIOR APPLICATION NUMBER: 60/049787
PRIOR FILING DATE: 1997-06-16
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/065186
PRIOR FILING DATE: 1997-11-12
PRIOR APPLICATION NUMBER: 60/065311
PRIOR FILING DATE: 1997-11-13
PRIOR APPLICATION NUMBER: 60/066770
PRIOR FILING DATE: 1997-11-24
PRIOR APPLICATION NUMBER: 60/075945
PRIOR FILING DATE: 1998-02-25
PRIOR APPLICATION NUMBER: 60/078910
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/083322
PRIOR FILING DATE: 1998-04-28
PRIOR APPLICATION NUMBER: 60/084600
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/087106
PRIOR FILING DATE: 1998-05-28
PRIOR APPLICATION NUMBER: 60/087607
PRIOR FILING DATE: 1998-06-02
PRIOR APPLICATION NUMBER: 60/087609
PRIOR FILING DATE: 1998-06-02

1	PRIOR APPLICATION NUMBER: 60/087759
2	PRIOR FILING DATE: 1998-06-02
3	PRIOR APPLICATION NUMBER: 60/087827
4	PRIOR FILING DATE: 1998-06-03
5	PRIOR APPLICATION NUMBER: 60/088021
6	PRIOR FILING DATE: 1998-06-04
7	PRIOR APPLICATION NUMBER: 60/088025
8	PRIOR FILING DATE: 1998-06-04
9	PRIOR APPLICATION NUMBER: 60/088026
10	PRIOR FILING DATE: 1998-06-04
11	PRIOR APPLICATION NUMBER: 60/088028
12	PRIOR FILING DATE: 1998-06-04
13	PRIOR APPLICATION NUMBER: 60/088029
14	PRIOR FILING DATE: 1998-06-04
15	PRIOR APPLICATION NUMBER: 60/088030
16	PRIOR FILING DATE: 1998-06-04
17	PRIOR APPLICATION NUMBER: 60/088033
18	PRIOR FILING DATE: 1998-06-04
19	PRIOR APPLICATION NUMBER: 60/088326
20	PRIOR FILING DATE: 1998-06-04
21	PRIOR APPLICATION NUMBER: 60/088367
22	PRIOR FILING DATE: 1998-06-05
23	PRIOR APPLICATION NUMBER: 60/088202
24	PRIOR FILING DATE: 1998-06-05
25	PRIOR APPLICATION NUMBER: 60/088212
26	PRIOR FILING DATE: 1998-06-05
27	PRIOR APPLICATION NUMBER: 60/088217
28	PRIOR FILING DATE: 1998-06-05
29	PRIOR APPLICATION NUMBER: 60/088655
30	PRIOR FILING DATE: 1998-06-09
31	PRIOR APPLICATION NUMBER: 60/088734
32	PRIOR FILING DATE: 1998-06-10
33	PRIOR APPLICATION NUMBER: 60/088738
34	PRIOR FILING DATE: 1998-06-10
35	PRIOR APPLICATION NUMBER: 60/088742
36	PRIOR FILING DATE: 1998-06-10
37	PRIOR APPLICATION NUMBER: 60/088810
38	PRIOR FILING DATE: 1998-06-10
39	PRIOR APPLICATION NUMBER: 60/088824
40	PRIOR FILING DATE: 1998-06-10
41	PRIOR APPLICATION NUMBER: 60/088826
42	PRIOR FILING DATE: 1998-06-10
43	PRIOR APPLICATION NUMBER: 60/088858
44	PRIOR FILING DATE: 1998-06-11
45	PRIOR APPLICATION NUMBER: 60/088861
46	PRIOR FILING DATE: 1998-06-11
47	PRIOR APPLICATION NUMBER: 60/088876
48	PRIOR FILING DATE: 1998-06-11
49	PRIOR APPLICATION NUMBER: 60/089105
50	PRIOR FILING DATE: 1998-06-12
51	PRIOR APPLICATION NUMBER: 60/089440
52	PRIOR FILING DATE: 1998-06-16
53	PRIOR APPLICATION NUMBER: 60/089512
54	PRIOR FILING DATE: 1998-06-16
55	PRIOR APPLICATION NUMBER: 60/089514
56	PRIOR FILING DATE: 1998-06-16
57	PRIOR APPLICATION NUMBER: 60/089532
58	PRIOR FILING DATE: 1998-06-17
59	PRIOR APPLICATION NUMBER: 60/089538
60	PRIOR FILING DATE: 1998-06-17
61	PRIOR APPLICATION NUMBER: 60/089558
62	PRIOR FILING DATE: 1998-06-17
63	PRIOR APPLICATION NUMBER: 60/089599
64	PRIOR FILING DATE: 1998-06-17
65	PRIOR APPLICATION NUMBER: 60/089600
66	PRIOR FILING DATE: 1998-06-17
67	PRIOR APPLICATION NUMBER: 60/089633
68	PRIOR FILING DATE: 1998-06-17
69	PRIOR APPLICATION NUMBER: 60/089801
70	PRIOR FILING DATE: 1998-06-18
71	PRIOR APPLICATION NUMBER: 60/089907
72	PRIOR FILING DATE: 1998-06-18
73	PRIOR APPLICATION NUMBER: 60/089908

PRIOR FILING DATE:	1998-06-18
PRIOR APPLICATION NUMBER:	60/089947
PRIOR FILING DATE:	1998-06-19
PRIOR APPLICATION NUMBER:	60/089948
PRIOR FILING DATE:	1998-06-19
PRIOR APPLICATION NUMBER:	60/089952
PRIOR FILING DATE:	1998-06-19
PRIOR APPLICATION NUMBER:	60/090246
PRIOR FILING DATE:	1998-06-22
PRIOR APPLICATION NUMBER:	60/090252
PRIOR FILING DATE:	1998-06-22
PRIOR APPLICATION NUMBER:	60/090254
PRIOR FILING DATE:	1998-06-22
PRIOR APPLICATION NUMBER:	60/090349
PRIOR FILING DATE:	1998-06-23
PRIOR APPLICATION NUMBER:	60/090355
PRIOR FILING DATE:	1998-06-23
PRIOR APPLICATION NUMBER:	60/090429
PRIOR FILING DATE:	1998-06-24
PRIOR APPLICATION NUMBER:	60/090431
PRIOR FILING DATE:	1998-06-24
PRIOR APPLICATION NUMBER:	60/090435
PRIOR FILING DATE:	1998-06-24
PRIOR APPLICATION NUMBER:	60/090444
PRIOR FILING DATE:	1998-06-24
PRIOR APPLICATION NUMBER:	60/090445
PRIOR FILING DATE:	1998-06-24
PRIOR APPLICATION NUMBER:	60/090472
PRIOR FILING DATE:	1998-06-24
PRIOR APPLICATION NUMBER:	60/090535
PRIOR FILING DATE:	1998-06-24
PRIOR APPLICATION NUMBER:	60/090540
PRIOR FILING DATE:	1998-06-24
PRIOR APPLICATION NUMBER:	60/090542
PRIOR FILING DATE:	1998-06-24
PRIOR APPLICATION NUMBER:	60/090557
PRIOR FILING DATE:	1998-06-24
PRIOR APPLICATION NUMBER:	60/090676
PRIOR FILING DATE:	1998-06-25
PRIOR APPLICATION NUMBER:	60/090678
PRIOR FILING DATE:	1998-06-25
PRIOR APPLICATION NUMBER:	60/090690
PRIOR FILING DATE:	1998-06-25
PRIOR APPLICATION NUMBER:	60/090694
PRIOR FILING DATE:	1998-06-25
PRIOR APPLICATION NUMBER:	60/090695
PRIOR FILING DATE:	1998-06-25
PRIOR APPLICATION NUMBER:	60/090696
PRIOR FILING DATE:	1998-06-25
PRIOR APPLICATION NUMBER:	60/090696
PRIOR FILING DATE:	1998-06-25
PRIOR APPLICATION NUMBER:	60/090862
PRIOR FILING DATE:	1998-06-26
PRIOR APPLICATION NUMBER:	60/090863
PRIOR FILING DATE:	1998-06-26
PRIOR APPLICATION NUMBER:	60/091360
PRIOR FILING DATE:	1998-07-01
PRIOR APPLICATION NUMBER:	60/091478
PRIOR FILING DATE:	1998-07-02
PRIOR APPLICATION NUMBER:	60/091544
PRIOR FILING DATE:	1998-07-01
PRIOR APPLICATION NUMBER:	60/091519
PRIOR FILING DATE:	1998-07-02
PRIOR APPLICATION NUMBER:	60/091626
PRIOR FILING DATE:	1998-07-02
PRIOR APPLICATION NUMBER:	60/091633
PRIOR FILING DATE:	1998-07-02
PRIOR APPLICATION NUMBER:	60/091978
PRIOR FILING DATE:	1998-07-02
PRIOR APPLICATION NUMBER:	60/091982
PRIOR FILING DATE:	1998-07-07
PRIOR APPLICATION NUMBER:	60/092188
PRIOR FILING DATE:	1998-07-03
PRIOR APPLICATION NUMBER:	60/092188

Query Match

99.08; Score 308.8; DB 9; Length 570;

Best Local Similarity 19.4%; Pred. No. 1e-63;
Matches 310; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 ATGAACCTGCGCCCTCTGCGGCTCTGCGGCTCTCTGCAAGCTCCGCTGCT 60
Db 79 ATGAACCTGCGCCCTCTGCGGCTCTGCGGCTCTCTGCAAGCTCCGCTGCT 138
QY 61 TTCTTGTGGGCTGCGGCAAGCTGTGCGGCTGCTGCTGCTGCTGCTGCT 120
Db 139 TTCTTGTGGGCTGCGGCAAGCTGTGCGGCTGCTGCTGCTGCTGCTGCT 198
QY 121 GAGGCGGCGGCGGCAAGCTGTGCGGCTGCTGCTGCTGCTGCTGCTGCT 180
Db 199 GAGGCGGCGGCGGCAAGCTGTGCGGCTGCTGCTGCTGCTGCTGCTGCT 258
QY 181 CTGAGCAGCTGCGGCTGCGGCAAGCTGTGCGGCTGCTGCTGCTGCTGCT 240
Db 259 CTGAGCAGCTGCGGCTGCGGCAAGCTGTGCGGCTGCTGCTGCTGCTGCT 318
QY 241 GAGCTGCTGCGGCGGCAAGCTGTGCGGCTGCTGCTGCTGCTGCTGCT 300
Db 319 GAGCTGCTGCGGCGGCAAGCTGTGCGGCTGCTGCTGCTGCTGCTGCT 378
QY 301 ACAGTGTGGGCT 312
Db 379 ACAGTGTGGGCT 390

RESULT 6
US-09-989-279-407
Sequence 407, Application US/09989279
Patent No. US20020072496A1
GENERAL INFORMATION:

APPLICANT: Ashkenazi, Avi J.
APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Ferrara, Napoleone
APPLICANT: Fong, Sherman
APPLICANT: Gerder, Hanspeter
APPLICANT: Gottlieb, Mary E.
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Kijavich, Ivay J.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
TITLE OF INVENTION: Secreted and Transmembrane polypeptides and Nucleic
FILE REFERENCE: P2730P1C56
CURRENT FILING DATE: 2001-11-19
PRIOR APPLICATION NUMBER: 60/049877
PRIOR FILING DATE: 1997-06-16
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/065186
PRIOR FILING DATE: 1997-11-17
PRIOR APPLICATION NUMBER: 60/065311
PRIOR FILING DATE: 1997-11-13
PRIOR APPLICATION NUMBER: 60/066770
PRIOR FILING DATE: 1997-11-24
PRIOR APPLICATION NUMBER: 60/075945

PRIOR FILING DATE: 1998-02-25
PRIOR APPLICATION NUMBER: 60/078910
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/083322
PRIOR FILING DATE: 1998-04-28
PRIOR APPLICATION NUMBER: 60/084600
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/087106
PRIOR FILING DATE: 1998-05-28
PRIOR APPLICATION NUMBER: 60/087607
PRIOR FILING DATE: 1998-06-02
PRIOR APPLICATION NUMBER: 60/087609
PRIOR FILING DATE: 1998-06-02
PRIOR APPLICATION NUMBER: 60/087759
PRIOR FILING DATE: 1998-06-02
PRIOR APPLICATION NUMBER: 60/087827
PRIOR FILING DATE: 1998-06-03
PRIOR APPLICATION NUMBER: 60/088021
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088025
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088026
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088028
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088029
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088030
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088033
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088326
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088167
PRIOR FILING DATE: 1998-06-05
PRIOR APPLICATION NUMBER: 60/088202
PRIOR FILING DATE: 1998-06-05
PRIOR APPLICATION NUMBER: 60/088212
PRIOR FILING DATE: 1998-06-05
PRIOR APPLICATION NUMBER: 60/088217
PRIOR FILING DATE: 1998-06-05
PRIOR APPLICATION NUMBER: 60/088655
PRIOR FILING DATE: 1998-06-09
PRIOR APPLICATION NUMBER: 60/088734
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088738
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088742
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088810
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088824
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088826
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088858
PRIOR FILING DATE: 1998-06-11
PRIOR APPLICATION NUMBER: 60/088861
PRIOR FILING DATE: 1998-06-11
PRIOR APPLICATION NUMBER: 60/088876
PRIOR FILING DATE: 1998-06-12
PRIOR APPLICATION NUMBER: 60/089105
PRIOR FILING DATE: 1998-06-16
PRIOR APPLICATION NUMBER: 60/089440
PRIOR FILING DATE: 1998-06-16
PRIOR APPLICATION NUMBER: 60/089512
PRIOR FILING DATE: 1998-06-16
PRIOR APPLICATION NUMBER: 60/089514
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089532
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089538
PRIOR FILING DATE: 1998-06-17

PRIOR APPLICATION NUMBER: 60/089598
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089599
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089600
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089653
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089801
PRIOR FILING DATE: 1998-06-18
PRIOR APPLICATION NUMBER: 60/089907
PRIOR FILING DATE: 1998-06-18
PRIOR APPLICATION NUMBER: 60/089908
PRIOR FILING DATE: 1998-06-18
PRIOR APPLICATION NUMBER: 60/089947
PRIOR FILING DATE: 1998-06-19
PRIOR APPLICATION NUMBER: 60/089948
PRIOR FILING DATE: 1998-06-19
PRIOR APPLICATION NUMBER: 60/089952
PRIOR FILING DATE: 1998-06-19
PRIOR APPLICATION NUMBER: 60/090246
PRIOR FILING DATE: 1998-06-22
PRIOR APPLICATION NUMBER: 60/090252
PRIOR FILING DATE: 1998-06-22
PRIOR APPLICATION NUMBER: 60/090254
PRIOR FILING DATE: 1998-06-22
PRIOR APPLICATION NUMBER: 60/090349
PRIOR FILING DATE: 1998-06-23
PRIOR APPLICATION NUMBER: 60/090355
PRIOR FILING DATE: 1998-06-23
PRIOR APPLICATION NUMBER: 60/090429
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090431
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090435
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090444
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090445
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090472
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090535
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090540
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090542
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090557
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090676
PRIOR FILING DATE: 1998-06-25
PRIOR APPLICATION NUMBER: 60/090678
PRIOR FILING DATE: 1998-06-25
PRIOR APPLICATION NUMBER: 60/090690
PRIOR FILING DATE: 1998-06-25
PRIOR APPLICATION NUMBER: 60/090694
PRIOR FILING DATE: 1998-06-25
PRIOR APPLICATION NUMBER: 60/090695
PRIOR FILING DATE: 1998-06-25
PRIOR APPLICATION NUMBER: 60/090696
PRIOR FILING DATE: 1998-06-25
PRIOR APPLICATION NUMBER: 60/090862
PRIOR FILING DATE: 1998-06-26
PRIOR APPLICATION NUMBER: 60/090863
PRIOR FILING DATE: 1998-06-26
PRIOR APPLICATION NUMBER: 60/091360
PRIOR FILING DATE: 1998-07-01
PRIOR APPLICATION NUMBER: 60/091478
PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091544
PRIOR FILING DATE: 1998-07-01
PRIOR APPLICATION NUMBER: 60/091519

PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091626
PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091633
PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091978
PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/091982
PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/092182
PRIOR FILING DATE: 1998-07-09

Query Match 99.0%; Score 308.8; DB 9; Length 570;
Best Local Similarity 99.4%; Pred. No. 1e-63;
Matches 310; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

1 ATGAAGCTCGCGCGCCCTCTGGGCTGCGTGGCGCCCTGCTCAGCTCCGCTGCT 60
|||||
79 ATGAAGCTCGCGCGCCCTCTGGGCTGCGTGGCGCCCTGCTCAGCTCCGCTGCT 138
|||||
61 TTCTTAGTGGCTGCGCGCAACCTGCGCCAGCTGCGTGGCGAGTGGCGGCG 120
|||||
139 TTCTTAGTGGCTGCGCGCAACCTGCGCCAGCTGCGTGGCGAGTGGCGGCG 198
|||||
121 GAGCGCGGCGCGGACCTTGGCGCAACCCCTCGGCAACCCGCTGAAGCTCTG 180
|||||
199 GAGCGCGGCGCGGACCTTGGCGCAACCCCTCGGCAACCCGCTGAAGCTCTG 258
|||||
181 CTGAGCAGCTGGGCGATCCCGTGACCACTCATAGAGGCTCCAGAACTGTGGCT 240
|||||
259 CTGAGCAGCTGGGCGATCCCGTGACCACTCATAGAGGCTCCAGAACTGTGGCT 318
|||||
241 GAGCTGGGTCGCCAGCGCGTGGGCGCTGAAGGCGCTGAAGGCGCTGCGGCGCTG 300
|||||
319 GAGCTGGGTCGCCAGCGCGTGGGCGCTGAAGGCGCTGAAGGCGCTGCGGCGCTG 378
|||||

QY 301 ACAGTGTTGGC 312
|||||
DB 379 ACAGTGTTGGC 390
|||||

RESULT 7
US-09-989-727-407
Sequence 407, Application US/09989727
Patient No US20020072497A1
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi J.
APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Fong, Sherman
APPLICANT: Gerber, Hanspeter
APPLICANT: Gertlisen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Kijavlin, Ivar J.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OR INVENTION: Acids Encoding the Same
FILE REFERENCE: P2730P1C65

Page 8

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523	524	525
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

```

PRIORITY APPLICATION NUMBER: 60/090696
PRIORITY FILING DATE: 1998-06-25
PRIORITY APPLICATION NUMBER: 60/090862
PRIORITY FILING DATE: 1998-06-26
PRIORITY APPLICATION NUMBER: 60/090863
PRIORITY FILING DATE: 1998-06-26
PRIORITY APPLICATION NUMBER: 60/091360
PRIORITY FILING DATE: 1998-07-01
PRIORITY APPLICATION NUMBER: 60/091478
PRIORITY FILING DATE: 1998-07-02
PRIORITY APPLICATION NUMBER: 60/091544
PRIORITY FILING DATE: 1998-07-01
PRIORITY APPLICATION NUMBER: 60/091519
PRIORITY FILING DATE: 1998-07-02
PRIORITY APPLICATION NUMBER: 60/091626
PRIORITY FILING DATE: 1998-07-02
PRIORITY APPLICATION NUMBER: 60/091633
PRIORITY FILING DATE: 1998-07-02
PRIORITY APPLICATION NUMBER: 60/091978
PRIORITY FILING DATE: 1998-07-07
PRIORITY APPLICATION NUMBER: 60/091982
PRIORITY FILING DATE: 1998-07-07
PRIORITY APPLICATION NUMBER: 60/092182
PRIORITY FILING DATE: 1998-07-09

Query Match          99.0%; Score 308.8; DB 9; Length 570;
Best Local Similarity 99.4%; Pred. No. 1e-63;
Matches 310; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 ATGAGCTGCGCCCTCTGCGGCGCTGCGGCGCTGCTGAGCTCGCGCTGCT 60
DB 79 ATGAGCTGCGCCCTCTGCGGCGCTGCGGCGCTGCTGAGCTCGCGCTGCT 138
QY 61 TTCTTAGTGGGCTGCGGCGCTGCGGCGCTGCGGCGCTGCGGCGCTGCT 120
DB 139 TTCTTAGTGGGCTGCGGCGCTGCGGCGCTGCGGCGCTGCGGCGCTGCT 198
QY 121 GAGGCGGCGCGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 180
DB 199 GAGGCGGCGCGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 258
QY 181 CTGAGCAGCGCTGCGGCGCTGCGGCGCTGCGGCGCTGCGGCGCTGCT 240
DB 259 CTGAGCAGCGCTGCGGCGCTGCGGCGCTGCGGCGCTGCGGCGCTGCT 318
QY 241 GAGCTGGGTCCTCCAGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 300
DB 319 GAGCTGGGTCCTCCAGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 378
QY 301 ACAGTGTGTC 312
DB 379 ACAGTGTGTC 390

RESULT 8
US-09-989-731-407
Sequence 407, Application US/09989731
Patent No. US20020103125A1
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi J.
APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnovers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Fong, Sherman
APPLICANT: Gerber, Hanspeter
APPLICANT: Gertlisen, Mary E.
APPLICANT: Goddard, Audrey J.
APPLICANT: Goddard, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Kijavlin, Ivar J.

APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tamas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2730P1C70
CURRENT APPLICATION NUMBER: US/09/989,731
PRIORITY FILING DATE: 2001-11-20
PRIORITY APPLICATION NUMBER: 60/049787
PRIORITY FILING DATE: 1997-06-16
PRIORITY APPLICATION NUMBER: 60/062250
PRIORITY FILING DATE: 1997-10-17
PRIORITY APPLICATION NUMBER: 60/065186
PRIORITY FILING DATE: 1997-11-12
PRIORITY APPLICATION NUMBER: 60/065311
PRIORITY FILING DATE: 1997-11-23
PRIORITY APPLICATION NUMBER: 60/066770
PRIORITY FILING DATE: 1997-11-24
PRIORITY APPLICATION NUMBER: 60/075945
PRIORITY FILING DATE: 1998-02-25
PRIORITY APPLICATION NUMBER: 60/078910
PRIORITY FILING DATE: 1998-03-20
PRIORITY APPLICATION NUMBER: 60/083322
PRIORITY FILING DATE: 1998-04-28
PRIORITY APPLICATION NUMBER: 60/084600
PRIORITY FILING DATE: 1998-05-07
PRIORITY APPLICATION NUMBER: 60/087106
PRIORITY FILING DATE: 1998-05-28
PRIORITY APPLICATION NUMBER: 60/087607
PRIORITY FILING DATE: 1998-06-02
PRIORITY APPLICATION NUMBER: 60/087609
PRIORITY FILING DATE: 1998-06-02
PRIORITY APPLICATION NUMBER: 60/087759
PRIORITY FILING DATE: 1998-06-02
PRIORITY APPLICATION NUMBER: 60/087827
PRIORITY FILING DATE: 1998-06-03
PRIORITY APPLICATION NUMBER: 60/088021
PRIORITY FILING DATE: 1998-06-04
PRIORITY APPLICATION NUMBER: 60/088025
PRIORITY FILING DATE: 1998-06-04
PRIORITY APPLICATION NUMBER: 60/088026
PRIORITY FILING DATE: 1998-06-04
PRIORITY APPLICATION NUMBER: 60/088028
PRIORITY FILING DATE: 1998-06-04
PRIORITY APPLICATION NUMBER: 60/088029
PRIORITY FILING DATE: 1998-06-04
PRIORITY APPLICATION NUMBER: 60/088030
PRIORITY FILING DATE: 1998-06-04
PRIORITY APPLICATION NUMBER: 60/088033
PRIORITY FILING DATE: 1998-06-04
PRIORITY APPLICATION NUMBER: 60/088326
PRIORITY FILING DATE: 1998-06-04
PRIORITY APPLICATION NUMBER: 60/088167
PRIORITY FILING DATE: 1998-06-05
PRIORITY APPLICATION NUMBER: 60/088202
PRIORITY FILING DATE: 1998-06-05
PRIORITY APPLICATION NUMBER: 60/088212
PRIORITY FILING DATE: 1998-06-05
PRIORITY APPLICATION NUMBER: 60/088217
PRIORITY FILING DATE: 1998-06-05
PRIORITY APPLICATION NUMBER: 60/088655
PRIORITY FILING DATE: 1998-06-09
PRIORITY APPLICATION NUMBER: 60/088734
PRIORITY FILING DATE: 1998-06-10
PRIORITY APPLICATION NUMBER: 60/088738
PRIORITY FILING DATE: 1998-06-10
```

1	PRIOR APPLICATION NUMBER: 60/088744
2	PRIOR FILING DATE: 1998-06-10
3	PRIOR APPLICATION NUMBER: 60/088801
4	PRIOR FILING DATE: 1998-06-10
5	PRIOR APPLICATION NUMBER: 60/088822
6	PRIOR FILING DATE: 1998-06-10
7	PRIOR APPLICATION NUMBER: 60/088822
8	PRIOR FILING DATE: 1998-06-10
9	PRIOR APPLICATION NUMBER: 60/088855
10	PRIOR FILING DATE: 1998-06-11
11	PRIOR APPLICATION NUMBER: 60/088861
12	PRIOR FILING DATE: 1998-06-11
13	PRIOR APPLICATION NUMBER: 60/088878
14	PRIOR FILING DATE: 1998-06-11
15	PRIOR APPLICATION NUMBER: 60/089105
16	PRIOR FILING DATE: 1998-06-12
17	PRIOR APPLICATION NUMBER: 60/089440
18	PRIOR FILING DATE: 1998-06-16
19	PRIOR APPLICATION NUMBER: 60/089512
20	PRIOR FILING DATE: 1998-06-16
21	PRIOR APPLICATION NUMBER: 60/089514
22	PRIOR FILING DATE: 1998-06-16
23	PRIOR APPLICATION NUMBER: 60/089533
24	PRIOR FILING DATE: 1998-06-17
25	PRIOR APPLICATION NUMBER: 60/089538
26	PRIOR FILING DATE: 1998-06-17
27	PRIOR APPLICATION NUMBER: 60/089598
28	PRIOR FILING DATE: 1998-06-17
29	PRIOR APPLICATION NUMBER: 60/089599
30	PRIOR FILING DATE: 1998-06-17
31	PRIOR APPLICATION NUMBER: 60/089600
32	PRIOR FILING DATE: 1998-06-18
33	PRIOR APPLICATION NUMBER: 60/089653
34	PRIOR FILING DATE: 1998-06-17
35	PRIOR APPLICATION NUMBER: 60/089801
36	PRIOR FILING DATE: 1998-06-18
37	PRIOR APPLICATION NUMBER: 60/089807
38	PRIOR FILING DATE: 1998-06-18
39	PRIOR APPLICATION NUMBER: 60/089808
40	PRIOR FILING DATE: 1998-06-18
41	PRIOR APPLICATION NUMBER: 60/089947
42	PRIOR FILING DATE: 1998-06-19
43	PRIOR APPLICATION NUMBER: 60/089948
44	PRIOR FILING DATE: 1998-06-19
45	PRIOR APPLICATION NUMBER: 60/090246
46	PRIOR FILING DATE: 1998-06-22
47	PRIOR APPLICATION NUMBER: 60/090252
48	PRIOR FILING DATE: 1998-06-22
49	PRIOR APPLICATION NUMBER: 60/090254
50	PRIOR FILING DATE: 1998-06-22
51	PRIOR APPLICATION NUMBER: 60/090349
52	PRIOR FILING DATE: 1998-06-23
53	PRIOR APPLICATION NUMBER: 60/090355
54	PRIOR FILING DATE: 1998-06-23
55	PRIOR APPLICATION NUMBER: 60/090429
56	PRIOR FILING DATE: 1998-06-24
57	PRIOR APPLICATION NUMBER: 60/090431
58	PRIOR FILING DATE: 1998-06-24
59	PRIOR APPLICATION NUMBER: 60/090435
60	PRIOR FILING DATE: 1998-06-24
61	PRIOR APPLICATION NUMBER: 60/090444
62	PRIOR FILING DATE: 1998-06-24
63	PRIOR APPLICATION NUMBER: 60/090445
64	PRIOR FILING DATE: 1998-06-24
65	PRIOR APPLICATION NUMBER: 60/090472
66	PRIOR FILING DATE: 1998-06-24
67	PRIOR APPLICATION NUMBER: 60/090535
68	PRIOR FILING DATE: 1998-06-24
69	PRIOR APPLICATION NUMBER: 60/090540
70	PRIOR FILING DATE: 1998-06-24
71	PRIOR APPLICATION NUMBER: 60/090542

PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090557
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090676
PRIOR FILING DATE: 1998-06-25
PRIOR APPLICATION NUMBER: 60/090678
PRIOR FILING DATE: 1998-06-25
PRIOR APPLICATION NUMBER: 60/090690
PRIOR FILING DATE: 1998-06-25
PRIOR APPLICATION NUMBER: 60/090694
PRIOR FILING DATE: 1998-06-25
PRIOR APPLICATION NUMBER: 60/090695
PRIOR FILING DATE: 1998-06-25
PRIOR APPLICATION NUMBER: 60/090696
PRIOR FILING DATE: 1998-06-25
PRIOR APPLICATION NUMBER: 60/090862
PRIOR FILING DATE: 1998-06-26
PRIOR APPLICATION NUMBER: 60/090863
PRIOR FILING DATE: 1998-06-26
PRIOR APPLICATION NUMBER: 60/091360
PRIOR FILING DATE: 1998-07-01
PRIOR APPLICATION NUMBER: 60/091478
PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091544
PRIOR FILING DATE: 1998-07-01
PRIOR APPLICATION NUMBER: 60/091519
PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091626
PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091633
PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091978
PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/091982
PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/092182
PRIOR FILING DATE: 1998-07-09

Query Match	Score	DB	Length
Best Local Similarity	99.4%		
Matches	310;	Conservative	0; Mismatches 2; Indels 0; Gaps 0;
QY	1	ATGAAGCTCGCGCCCTCTGGGCTCTGGCGTGGCCCTGTCTGACAGCTCCGCTGCTGCT	60
Db	79	ATGAAGCTCGCGCCCTCTGGGCTCTGGCGTGGCCCTGTCTGACAGCTCCGCTGCTGCT	138
QY	61	TTCCTAGTGGGCTCGCCCAAGCCTGTGTGGCCAGCTCTGCTGCTGGGTGGAGTCCGGGGCG	120
Db	139	TTCCTAGTGGGCTCGCCCAAGCCTGTGTGGCCAGCTCTGCTGCTGGAGTCCGGGGCG	198
QY	121	GAGGGCGGGGGCGGGAGCCCTGTGGCCAAACCCCTGGGACCTCTCAACCCGCTGAAGCTCTG	180
Db	199	GAGGGCGGGGGCGGGAGCCCTGTGGCCAAACCCCTGGGACCTCTCAACCCGCTGAAGCTCTG	258
QY	181	CTGACAGCCGCGGGATCCCGCTGAACACCTCATAGAGGCTCCCAAGATGTGTGCT	240
Db	259	CTGACAGCCGCGGGATCCCGCTGAACACCTCATAGAGGCTCCCAAGATGTGTGCT	318
QY	241	GAGCTGGGCTCCCGAGGCCGTGTGGGGCGGTGAAGCCCTGCTGGGGCCCTG	300
Db	319	GAGCTGGGCTCCCGAGGCCGTGTGGGGCGGTGAAGCCCTGCTGGGGGGCCCTG	378
QY	301	ACAGTGTGTGGC	312
Db	379	ACAGTGTGTGGC	390

RESULT 9
US-09-989-732-407
; Sequence 407, Application US/09989732
; Patent No. US20020123463A1
; GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi J.

;; PRIOR APPLICATION NUMBER: 60/090435
;; PRIOR FILING DATE: 1998-06-24
;; PRIOR APPLICATION NUMBER: 60/090444
;; PRIOR FILING DATE: 1998-06-24
;; PRIOR APPLICATION NUMBER: 60/090445
;; PRIOR FILING DATE: 1998-06-24
;; PRIOR APPLICATION NUMBER: 60/090472
;; PRIOR FILING DATE: 1998-06-24
;; PRIOR APPLICATION NUMBER: 60/090535
;; PRIOR FILING DATE: 1998-06-24
;; PRIOR APPLICATION NUMBER: 60/090540
;; PRIOR FILING DATE: 1998-06-24
;; PRIOR APPLICATION NUMBER: 60/090542
;; PRIOR FILING DATE: 1998-06-24
;; PRIOR APPLICATION NUMBER: 60/090557
;; PRIOR FILING DATE: 1998-06-24
;; PRIOR APPLICATION NUMBER: 60/090676
;; PRIOR FILING DATE: 1998-06-25
;; PRIOR APPLICATION NUMBER: 60/090678
;; PRIOR FILING DATE: 1998-06-25
;; PRIOR APPLICATION NUMBER: 60/090690
;; PRIOR FILING DATE: 1998-06-25
;; PRIOR APPLICATION NUMBER: 60/090694
;; PRIOR FILING DATE: 1998-06-25
;; PRIOR APPLICATION NUMBER: 60/090695
;; PRIOR FILING DATE: 1998-06-25
;; PRIOR APPLICATION NUMBER: 60/090696
;; PRIOR FILING DATE: 1998-06-25
;; PRIOR APPLICATION NUMBER: 60/090862
;; PRIOR FILING DATE: 1998-06-26
;; PRIOR APPLICATION NUMBER: 60/090863
;; PRIOR FILING DATE: 1998-06-26
;; PRIOR APPLICATION NUMBER: 60/091360
;; PRIOR FILING DATE: 1998-07-01
;; PRIOR APPLICATION NUMBER: 60/091478
;; PRIOR FILING DATE: 1998-07-02
;; PRIOR APPLICATION NUMBER: 60/091544
;; PRIOR FILING DATE: 1998-07-01
;; PRIOR APPLICATION NUMBER: 60/091519
;; PRIOR FILING DATE: 1998-07-02
;; PRIOR APPLICATION NUMBER: 60/091626
;; PRIOR FILING DATE: 1998-07-02
;; PRIOR APPLICATION NUMBER: 60/091633
;; PRIOR FILING DATE: 1998-07-02
;; PRIOR APPLICATION NUMBER: 60/091978
;; PRIOR FILING DATE: 1998-07-07
;; PRIOR APPLICATION NUMBER: 60/091982
;; PRIOR FILING DATE: 1998-07-07
;; PRIOR APPLICATION NUMBER: 60/092182
;; PRIOR FILING DATE: 1998-07-09

Query Match 99.0%; Score 308.8; DB 10; Length 570;
Best local similarity 99.4%; Pred. No. 1e-63; 2; Indels 0; Gaps 0;
Matches 310; Conservative 0; Mismatches 2;

QY 1 ATGAAGTCGCGCGCCCTGCGTGGCGCGCCCTGCGTCCGACCTCCGCTCGCT 60
DB 79 ATGAAGTCGCGCGCCCTGCGTGGCGCGCCCTGCGTCCGACCTCCGCTCGCT 138
QY 61 TTCTTAATGGGCTGGCCAAAGCTGTGGCCAGGCTTCGCTGGCTGGAGTGGCGGCG 120
DB 139 TTCTTAATGGGCTGGCCAAAGCTGTGGCCAGGCTTCGCTGGCTGGAGTGGCGGCG 198
QY 121 GAGCGCGGGGCGGACCTGCGCAACCCCTCGGCAACCCCTGCAACCCGCTGAAGCTCTG 180
DB 199 GAGCGCGGGGCGGACCTGCGCAACCCCTCGGCAACCCCTGCAACCCGCTGAAGCTCTG 258
QY 181 CTGAGCAGCTGGGCGATCCCGTGAAACCACTCATAGAGGCTCCCGAAGTGTGGCT 240
DB 259 CTGAGCAGCTGGGCGATCCCGTGAAACCACTCATAGAGGCTCCCGAAGTGTGGCT 318
QY 241 GAGTGGGTCCCGCGGCGGTGGGCGCGGTGAAGCCCTGAAGGCGCTGGGCGGCGCTG 300
|||||

DB 319 GAGCTGGTCCCGGCGGCGGCGCGCTGTAAGGCCCTGCTGGGCGGCCG 378
QY 301 ACAGTGTTCGC 312
|||||
DB 379 ACAGTGTTCGC 390

RESULT 10
US-09-991-073-407
; Sequence 407, Application US/09991073
; Patent No. US20020127576A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Bolstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gertlisen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Guiney, Austin L.
; APPLICANT: Kijavlin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Psoul, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tamas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2730P1C15
; CURRENT APPLICATION NUMBER: US/09/991,073
; CURRENT FILING DATE: 2001-11-14
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/065186
; PRIOR FILING DATE: 1997-11-12
; PRIOR APPLICATION NUMBER: 60/065311
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: 60/066770
; PRIOR FILING DATE: 1997-11-24
; PRIOR APPLICATION NUMBER: 60/075945
; PRIOR FILING DATE: 1998-02-25
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/083322
; PRIOR FILING DATE: 1998-04-28
; PRIOR APPLICATION NUMBER: 60/084600
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/087106
; PRIOR FILING DATE: 1998-05-28
; PRIOR APPLICATION NUMBER: 60/087607
; PRIOR FILING DATE: 1998-06-02
; PRIOR APPLICATION NUMBER: 60/087609
; PRIOR FILING DATE: 1998-06-02
; PRIOR APPLICATION NUMBER: 60/087759
; PRIOR FILING DATE: 1998-06-02
; PRIOR APPLICATION NUMBER: 60/087827
; PRIOR FILING DATE: 1998-06-03
; PRIOR APPLICATION NUMBER: 60/088021
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088025
; PRIOR FILING DATE: 1998-06-04

PRIOR APPLICATION NUMBER: 60/088026
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088028
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088029
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088030
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088033
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088326
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088167
PRIOR FILING DATE: 1998-06-05
PRIOR APPLICATION NUMBER: 60/088202
PRIOR FILING DATE: 1998-06-05
PRIOR APPLICATION NUMBER: 60/088212
PRIOR FILING DATE: 1998-06-05
PRIOR APPLICATION NUMBER: 60/088217
PRIOR FILING DATE: 1998-06-05
PRIOR APPLICATION NUMBER: 60/088655
PRIOR FILING DATE: 1998-06-09
PRIOR APPLICATION NUMBER: 60/088734
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088738
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088742
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088810
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088824
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088826
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088858
PRIOR FILING DATE: 1998-06-11
PRIOR APPLICATION NUMBER: 60/088861
PRIOR FILING DATE: 1998-06-11
PRIOR APPLICATION NUMBER: 60/088876
PRIOR FILING DATE: 1998-06-11
PRIOR APPLICATION NUMBER: 60/089105
PRIOR FILING DATE: 1998-06-12
PRIOR APPLICATION NUMBER: 60/089440
PRIOR FILING DATE: 1998-06-16
PRIOR APPLICATION NUMBER: 60/089512
PRIOR FILING DATE: 1998-06-16
PRIOR APPLICATION NUMBER: 60/089514
PRIOR FILING DATE: 1998-06-16
PRIOR APPLICATION NUMBER: 60/089532
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089538
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089598
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089599
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089600
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089653
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089801
PRIOR FILING DATE: 1998-06-18
PRIOR APPLICATION NUMBER: 60/089907
PRIOR FILING DATE: 1998-06-18
PRIOR APPLICATION NUMBER: 60/089908
PRIOR FILING DATE: 1998-06-18
PRIOR APPLICATION NUMBER: 60/089947
PRIOR FILING DATE: 1998-06-19
PRIOR APPLICATION NUMBER: 60/089948
PRIOR FILING DATE: 1998-06-19
PRIOR APPLICATION NUMBER: 60/089952
PRIOR FILING DATE: 1998-06-19
PRIOR APPLICATION NUMBER: 60/090246

PRIOR FILING DATE: 1998-06-22
PRIOR APPLICATION NUMBER: 60/090252
PRIOR FILING DATE: 1998-06-22
PRIOR APPLICATION NUMBER: 60/090254
PRIOR FILING DATE: 1998-06-22
PRIOR APPLICATION NUMBER: 60/090349
PRIOR FILING DATE: 1998-06-23
PRIOR APPLICATION NUMBER: 60/090355
PRIOR FILING DATE: 1998-06-23
PRIOR APPLICATION NUMBER: 60/090429
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090431
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090435
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090444
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090445
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090472
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090535
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090540
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090542
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090557
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090676
PRIOR FILING DATE: 1998-06-25
PRIOR APPLICATION NUMBER: 60/090678
PRIOR FILING DATE: 1998-06-25
PRIOR APPLICATION NUMBER: 60/090690
PRIOR FILING DATE: 1998-06-25
PRIOR APPLICATION NUMBER: 60/090694
PRIOR FILING DATE: 1998-06-25
PRIOR APPLICATION NUMBER: 60/090695
PRIOR FILING DATE: 1998-06-25
PRIOR APPLICATION NUMBER: 60/090696
PRIOR FILING DATE: 1998-06-25
PRIOR APPLICATION NUMBER: 60/090862
PRIOR FILING DATE: 1998-06-26
PRIOR APPLICATION NUMBER: 60/090863
PRIOR FILING DATE: 1998-06-26
PRIOR APPLICATION NUMBER: 60/091360
PRIOR FILING DATE: 1998-07-01
PRIOR APPLICATION NUMBER: 60/091478
PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091544
PRIOR FILING DATE: 1998-07-01
PRIOR APPLICATION NUMBER: 60/091519
PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091626
PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091633
PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091978
PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/091982
PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/092182
PRIOR FILING DATE: 1998-07-09

Query Match 99.0%; Score 308.8; DB 10; length 570;
Best Local Similarity 99.4%; Pred. No. 1e-63; 2; Indels 0; Gaps 0;
Matches 310; Conservative

OY 1 ATGAGCTGCGCCGCTCGGAGGCTGCGGCGCCCTGCTGCGAGTCCGCTGCTGCT 60
Db 79 ATGAGCTGCGCCGCTCGGAGGCTGCGGCGCCCTGCTGCGAGTCCGCTGCTGCT 138
OY 61 TTCTAGTGGGCTCGGCAAGCTGTGGCCAGGCTGTGCTGCGCTGAGTCCGAGGCGG 120

Mon Sep 22 15:31:39 2003

us-10-081-817a-3.rnpb

Page 14

QY	Db
139	TTCTTATGTGGGCTCGGGCCCAAGCCTGTGGGCCCAAGCTGTGCTGCGCTGTGAATCGGGCGG 139
121	GAGGCGGGGGCGGGACCTGTGGCCAAACCCCTGGGACCCCTCAACCCGCTGAAGCTCTTG 180
199	GAGGCGGGGGCGGGACCTGTGGCCAAACCCCTGGGACCCCTCAACCCGCTGAAGCTCTTG 258
181	CTGAGCAGCCTGGGCACTCCCGCTGAACCACTCATAGAGGGCTCCAGAACTGTGGCT 240
259	CTGAGCAGCCTGGGCACTCCCGCTGAACCACTCATAGAGGGCTCCAGAACTGTGGCT 318
241	GAGCTGGGGTCCAGAGCCGTGGGGGCGGTGAAGGCCCTGAAGGCCCTGTGGGGGCCCTG 300
319	GAGCTGGGGTCCAGAGCCGTGGGGGCGGTGAAGGCCCTGAAGGCCCTGTGGGGGCCCTG 378
301	ACAGTGTTCGCT 312
379	ACAGTGTTCGCT 390

RESULT 11
 US-09-990-442-407
 : Sequence 407 Application US/09990442
 : Patent No US20020132252A1
 : GENERAL INFORMATION:
 : APPLICANT: Ashkenazi, Avi J.
 : APPLICANT: Baker, Kevin P.
 : APPLICANT: Bolstein, David
 : APPLICANT: Desnoyers, Luc
 : APPLICANT: Eaton, Dan L.
 : APPLICANT: Ferrara, Napoleone
 : APPLICANT: Fong, Sherman
 : APPLICANT: Geider, Hanspeter
 : APPLICANT: Gerlitsen, Mary E.
 : APPLICANT: Goddard, Audrey
 : APPLICANT: Godowski, Paul J.
 : APPLICANT: Grimaldi, J. Christopher
 : APPLICANT: Gurney, Austin L.
 : APPLICANT: Kljavin, Ivar J.
 : APPLICANT: Napier, Mary A.
 : APPLICANT: Pan, James
 : APPLICANT: Paonli, Nicholas F.
 : APPLICANT: Roy, Margaret Ann
 : APPLICANT: Stewart, Timothy A.
 : APPLICANT: Tumas, Daniel
 : APPLICANT: Watanabe, Colin K.
 : APPLICANT: Williams, P. Mickey
 : APPLICANT: Wood, William I.
 : APPLICANT: Zhang, Zemin
 : TITLE OF INVENTION: Sequestered and Transmembrane Polypeptides and Nucleic
 : FILE OF INVENTION: Acids Encoding the Same
 : FILE REFERENCE: P2730P1C
 : CURRENT APPLICATION NUMBER: US/09/990,442
 : PRIOR APPLICATION NUMBER: 2001-11-14
 : PRIOR FILING DATE: 1997-06-16
 : PRIOR APPLICATION NUMBER: 60/049787
 : PRIOR FILING DATE: 1997-10-17
 : PRIOR APPLICATION NUMBER: 60/062250
 : PRIOR FILING DATE: 1997-11-12
 : PRIOR APPLICATION NUMBER: 60/065186
 : PRIOR FILING DATE: 1997-11-13
 : PRIOR APPLICATION NUMBER: 60/065311
 : PRIOR FILING DATE: 1997-11-24
 : PRIOR APPLICATION NUMBER: 60/066770
 : PRIOR FILING DATE: 1998-02-25
 : PRIOR APPLICATION NUMBER: 60/075945
 : PRIOR FILING DATE: 1998-03-20
 : PRIOR APPLICATION NUMBER: 60/078910
 : PRIOR FILING DATE: 1998-04-28
 : PRIOR APPLICATION NUMBER: 60/083322
 : PRIOR FILING DATE: 1998-05-07
 : PRIOR APPLICATION NUMBER: 60/084600
 : PRIOR FILING DATE: 1998-05-07
 : PRIOR APPLICATION NUMBER: 60/087106

1	PRIOR FILING DATE: 1998-05-28
2	PRIOR APPLICATION NUMBER: 60/087607
3	PRIOR FILING DATE: 1998-06-02
4	PRIOR APPLICATION NUMBER: 60/087609
5	PRIOR FILING DATE: 1998-06-02
6	PRIOR APPLICATION NUMBER: 60/087759
7	PRIOR FILING DATE: 1998-06-02
8	PRIOR APPLICATION NUMBER: 60/087827
9	PRIOR FILING DATE: 1998-06-03
10	PRIOR APPLICATION NUMBER: 60/088023
11	PRIOR FILING DATE: 1998-06-04
12	PRIOR APPLICATION NUMBER: 60/088025
13	PRIOR FILING DATE: 1998-06-04
14	PRIOR APPLICATION NUMBER: 60/088026
15	PRIOR FILING DATE: 1998-06-04
16	PRIOR APPLICATION NUMBER: 60/088028
17	PRIOR FILING DATE: 1998-06-04
18	PRIOR APPLICATION NUMBER: 60/088029
19	PRIOR FILING DATE: 1998-06-04
20	PRIOR APPLICATION NUMBER: 60/088030
21	PRIOR FILING DATE: 1998-06-04
22	PRIOR APPLICATION NUMBER: 60/088033
23	PRIOR FILING DATE: 1998-06-04
24	PRIOR APPLICATION NUMBER: 60/088326
25	PRIOR FILING DATE: 1998-06-04
26	PRIOR APPLICATION NUMBER: 60/088157
27	PRIOR FILING DATE: 1998-06-05
28	PRIOR APPLICATION NUMBER: 60/088202
29	PRIOR FILING DATE: 1998-06-05
30	PRIOR APPLICATION NUMBER: 60/088212
31	PRIOR FILING DATE: 1998-06-05
32	PRIOR APPLICATION NUMBER: 60/088217
33	PRIOR FILING DATE: 1998-06-05
34	PRIOR APPLICATION NUMBER: 60/088655
35	PRIOR FILING DATE: 1998-06-09
36	PRIOR APPLICATION NUMBER: 60/088734
37	PRIOR FILING DATE: 1998-06-10
38	PRIOR APPLICATION NUMBER: 60/088738
39	PRIOR FILING DATE: 1998-06-10
40	PRIOR APPLICATION NUMBER: 60/088742
41	PRIOR FILING DATE: 1998-06-10
42	PRIOR APPLICATION NUMBER: 60/088810
43	PRIOR FILING DATE: 1998-06-10
44	PRIOR APPLICATION NUMBER: 60/088824
45	PRIOR FILING DATE: 1998-06-10
46	PRIOR APPLICATION NUMBER: 60/088826
47	PRIOR FILING DATE: 1998-06-10
48	PRIOR APPLICATION NUMBER: 60/088858
49	PRIOR FILING DATE: 1998-06-11
50	PRIOR APPLICATION NUMBER: 60/088861
51	PRIOR FILING DATE: 1998-06-11
52	PRIOR APPLICATION NUMBER: 60/088876
53	PRIOR FILING DATE: 1998-06-12
54	PRIOR APPLICATION NUMBER: 60/089440
55	PRIOR FILING DATE: 1998-06-16
56	PRIOR APPLICATION NUMBER: 60/089512
57	PRIOR FILING DATE: 1998-06-16
58	PRIOR APPLICATION NUMBER: 60/089514
59	PRIOR FILING DATE: 1998-06-16
60	PRIOR APPLICATION NUMBER: 60/089532
61	PRIOR FILING DATE: 1998-06-17
62	PRIOR APPLICATION NUMBER: 60/089538
63	PRIOR FILING DATE: 1998-06-17
64	PRIOR APPLICATION NUMBER: 60/089598
65	PRIOR FILING DATE: 1998-06-17
66	PRIOR APPLICATION NUMBER: 60/089599
67	PRIOR FILING DATE: 1998-06-17
68	PRIOR APPLICATION NUMBER: 60/089600
69	PRIOR FILING DATE: 1998-06-17
70	PRIOR APPLICATION NUMBER: 60/089653
71	PRIOR FILING DATE: 1998-06-17

PRIOR APPLICATION NUMBER: 60/089801
PRIOR FILING DATE: 1998-06-18
PRIOR APPLICATION NUMBER: 60/089907
PRIOR FILING DATE: 1998-06-18
PRIOR APPLICATION NUMBER: 60/089908
PRIOR FILING DATE: 1998-06-18
PRIOR APPLICATION NUMBER: 60/089947
PRIOR FILING DATE: 1998-06-19
PRIOR APPLICATION NUMBER: 60/089948
PRIOR FILING DATE: 1998-06-19
PRIOR APPLICATION NUMBER: 60/089952
PRIOR FILING DATE: 1998-06-19
PRIOR APPLICATION NUMBER: 60/090246
PRIOR FILING DATE: 1998-06-22
PRIOR APPLICATION NUMBER: 60/090252
PRIOR FILING DATE: 1998-06-22
PRIOR APPLICATION NUMBER: 60/090254
PRIOR FILING DATE: 1998-06-22
PRIOR APPLICATION NUMBER: 60/090349
PRIOR FILING DATE: 1998-06-23
PRIOR APPLICATION NUMBER: 60/090355
PRIOR FILING DATE: 1998-06-23
PRIOR APPLICATION NUMBER: 60/090429
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090431
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090435
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090444
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090445
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090472
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090535
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090540
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090542
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090557
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090676
PRIOR FILING DATE: 1998-06-25
PRIOR APPLICATION NUMBER: 60/090678
PRIOR FILING DATE: 1998-06-25
PRIOR APPLICATION NUMBER: 60/090690
PRIOR FILING DATE: 1998-06-25
PRIOR APPLICATION NUMBER: 60/090694
PRIOR FILING DATE: 1998-06-25
PRIOR APPLICATION NUMBER: 60/090695
PRIOR FILING DATE: 1998-06-25
PRIOR APPLICATION NUMBER: 60/090696
PRIOR FILING DATE: 1998-06-25
PRIOR APPLICATION NUMBER: 60/090862
PRIOR FILING DATE: 1998-06-26
PRIOR APPLICATION NUMBER: 60/090863
PRIOR FILING DATE: 1998-06-26
PRIOR APPLICATION NUMBER: 60/091360
PRIOR FILING DATE: 1998-07-01
PRIOR APPLICATION NUMBER: 60/091478
PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091544
PRIOR FILING DATE: 1998-07-01
PRIOR APPLICATION NUMBER: 60/091519
PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091526
PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091633
PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091978
PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/091982

PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/092182
PRIOR FILING DATE: 1998-07-09
Query Match 99.4%; Score 308.8; DB 10; Length 570;
Best Local Similarity 99.4%; Pred. No. 1e-63;
Matches 310; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
OY 1 ATGAAGCTCGCCGCCCTCTCTGGGCGCTCTGGTGGCCCTGTCTGCAAGCTCCGCTGCT 60
DB 79 ATGAAGCTCGCCGCCCTCTCTGGGCGCTCTGGTGGCCCTGTCTGCAAGCTCCGCTGCT 138
OY 61 TTCTTAGTGGGCTGGGCGCAAGCCGTGTGGCCAGCTGTCTGCTGGTGAAGTGGGCGG 120
DB 139 TTCTTAGTGGGCTGGGCGCAAGCCGTGTGGCCAGCTGTCTGCTGGTGAAGTGGGCGG 198
OY 121 GAGGCGGGGCGGCGGACCTGGGCGCAACCCCTGCGCACCTCAACCGGCTGAAGCTCTG 180
DB 199 GAGGCGGGGCGGCGGACCTGGGCGCAACCCCTGCGCACCTCAACCGGCTGAAGCTCTG 258
OY 181 CTGAGCAGCCCTGGGCGCATCCCGTGAACCACTCTATAGAGGAGCTCCAGAGTGTGGCT 240
DB 259 CTGAGCAGCCCTGGGCGCATCCCGTGAACCACTCTATAGAGGAGCTCCAGAGTGTGGCT 318
OY 241 GAGCTGGTCCCGCAGGCGGTGGGCGGCTGAAGGCGCTGAAGGCGCTGGGGGCGCTG 300
DB 319 GAGCTGGTCCCGCAGGCGGTGGGCGGCTGAAGGCGCTGAAGGCGCTGGGGGCGCTG 378
OY 301 ACAGTGTGGG 312
DB 379 ACAGTGTGGG 390
RESULT 12
US-09-991-163-407
Sequence 407, Application US/09991163
Patent No. US20020132253A1
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi J.
APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Fong, Sherman
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerltsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Kijavlin, Ivar J.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2730P1C17
CURRENT FILING DATE: 2001-11-14
PRIOR APPLICATION NUMBER: US/09/991,163
CURRENT FILING DATE: 1997-06-16
PRIOR APPLICATION NUMBER: 60/049787
CURRENT FILING DATE: 1997-06-16
PRIOR APPLICATION NUMBER: 60/062250
CURRENT FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/065186
CURRENT FILING DATE: 1997-11-12

us-10-081-817a-3.rnpb

Page 16

1	Prior Application Number: 60/065311	1	Prior Filing Date: 1998-06-16
2	Prior Filing Date: 1997-11-13	2	Prior Application Number: 60/089532
3	Prior Application Number: 60/066770	3	Prior Filing Date: 1998-06-17
4	Prior Filing Date: 1997-11-24	4	Prior Application Number: 60/089358
5	Prior Application Number: 60/075945	5	Prior Filing Date: 1998-06-17
6	Prior Filing Date: 1998-02-25	6	Prior Application Number: 60/089598
7	Prior Application Number: 60/078910	7	Prior Filing Date: 1998-06-17
8	Prior Filing Date: 1998-03-20	8	Prior Application Number: 60/089599
9	Prior Application Number: 60/083322	9	Prior Filing Date: 1998-06-17
10	Prior Filing Date: 1998-04-28	10	Prior Application Number: 60/089600
11	Prior Application Number: 60/084600	11	Prior Filing Date: 1998-06-17
12	Prior Filing Date: 1998-05-07	12	Prior Application Number: 60/089653
13	Prior Application Number: 60/087106	13	Prior Filing Date: 1998-06-17
14	Prior Filing Date: 1998-05-28	14	Prior Application Number: 60/089801
15	Prior Application Number: 60/087607	15	Prior Filing Date: 1998-06-18
16	Prior Filing Date: 1998-06-02	16	Prior Application Number: 60/089907
17	Prior Application Number: 60/087609	17	Prior Filing Date: 1998-06-18
18	Prior Filing Date: 1998-06-02	18	Prior Application Number: 60/089908
19	Prior Application Number: 60/087759	19	Prior Filing Date: 1998-06-18
20	Prior Filing Date: 1998-06-02	20	Prior Application Number: 60/089947
21	Prior Application Number: 60/087827	21	Prior Filing Date: 1998-06-19
22	Prior Filing Date: 1998-06-03	22	Prior Application Number: 60/089948
23	Prior Application Number: 60/088021	23	Prior Filing Date: 1998-06-19
24	Prior Filing Date: 1998-06-04	24	Prior Application Number: 60/089952
25	Prior Application Number: 60/088025	25	Prior Filing Date: 1998-06-19
26	Prior Filing Date: 1998-06-04	26	Prior Application Number: 60/090252
27	Prior Application Number: 60/088026	27	Prior Filing Date: 1998-06-22
28	Prior Filing Date: 1998-06-04	28	Prior Application Number: 60/090252
29	Prior Application Number: 60/088028	29	Prior Filing Date: 1998-06-22
30	Prior Filing Date: 1998-06-04	30	Prior Application Number: 60/090254
31	Prior Application Number: 60/088029	31	Prior Filing Date: 1998-06-22
32	Prior Filing Date: 1998-06-04	32	Prior Application Number: 60/090349
33	Prior Application Number: 60/088030	33	Prior Filing Date: 1998-06-23
34	Prior Filing Date: 1998-06-04	34	Prior Application Number: 60/090355
35	Prior Application Number: 60/088033	35	Prior Filing Date: 1998-06-23
36	Prior Filing Date: 1998-06-04	36	Prior Application Number: 60/090429
37	Prior Application Number: 60/088326	37	Prior Filing Date: 1998-06-24
38	Prior Filing Date: 1998-06-04	38	Prior Application Number: 60/090431
39	Prior Application Number: 60/088167	39	Prior Filing Date: 1998-06-24
40	Prior Filing Date: 1998-06-05	40	Prior Application Number: 60/090435
41	Prior Application Number: 60/088202	41	Prior Filing Date: 1998-06-24
42	Prior Filing Date: 1998-06-05	42	Prior Application Number: 60/090444
43	Prior Application Number: 60/088212	43	Prior Filing Date: 1998-06-24
44	Prior Filing Date: 1998-06-05	44	Prior Application Number: 60/090445
45	Prior Application Number: 60/088217	45	Prior Filing Date: 1998-06-24
46	Prior Filing Date: 1998-06-05	46	Prior Application Number: 60/090472
47	Prior Application Number: 60/088655	47	Prior Filing Date: 1998-06-24
48	Prior Filing Date: 1998-06-09	48	Prior Application Number: 60/090535
49	Prior Application Number: 60/088734	49	Prior Filing Date: 1998-06-24
50	Prior Filing Date: 1998-06-10	50	Prior Application Number: 60/090540
51	Prior Application Number: 60/088738	51	Prior Filing Date: 1998-06-24
52	Prior Filing Date: 1998-06-10	52	Prior Application Number: 60/090542
53	Prior Application Number: 60/088742	53	Prior Filing Date: 1998-06-24
54	Prior Filing Date: 1998-06-10	54	Prior Application Number: 60/090557
55	Prior Application Number: 60/088810	55	Prior Filing Date: 1998-06-24
56	Prior Filing Date: 1998-06-10	56	Prior Application Number: 60/090676
57	Prior Application Number: 60/088824	57	Prior Filing Date: 1998-06-25
58	Prior Filing Date: 1998-06-10	58	Prior Application Number: 60/090678
59	Prior Application Number: 60/088826	59	Prior Filing Date: 1998-06-25
60	Prior Filing Date: 1998-06-10	60	Prior Application Number: 60/090690
61	Prior Application Number: 60/088858	61	Prior Filing Date: 1998-06-25
62	Prior Filing Date: 1998-06-11	62	Prior Application Number: 60/090694
63	Prior Application Number: 60/088861	63	Prior Filing Date: 1998-06-25
64	Prior Filing Date: 1998-06-11	64	Prior Application Number: 60/090695
65	Prior Application Number: 60/088876	65	Prior Filing Date: 1998-06-25
66	Prior Filing Date: 1998-06-11	66	Prior Application Number: 60/090696
67	Prior Application Number: 60/089105	67	Prior Filing Date: 1998-06-25
68	Prior Filing Date: 1998-06-12	68	Prior Application Number: 60/090862
69	Prior Application Number: 60/089440	69	Prior Filing Date: 1998-06-26
70	Prior Filing Date: 1998-06-16	70	

APPLICANT : Wood, William I.
 TITLE OF INVENTION: Secured and Transmembrane Polypeptides and Nucleic
 TITLE OF INVENTION: Acids Encoding the Same
 FILE REFERENCE: P2730P1C25
 CURRENT APPLICATION NUMBER: US/09/993,604
 CURRENT FILING DATE: 2001-11-14
 PRIOR APPLICATION NUMBER: 60/049787
 PRIOR FILING DATE: 1997-06-16
 PRIOR APPLICATION NUMBER: 60/062250
 PRIOR FILING DATE: 1997-10-17
 PRIOR APPLICATION NUMBER: 60/065186
 PRIOR FILING DATE: 1997-11-12
 PRIOR APPLICATION NUMBER: 60/065311
 PRIOR FILING DATE: 1997-11-13
 PRIOR APPLICATION NUMBER: 60/066770
 PRIOR FILING DATE: 1997-11-24
 PRIOR APPLICATION NUMBER: 60/075945
 PRIOR FILING DATE: 1998-02-25
 PRIOR APPLICATION NUMBER: 60/078910
 PRIOR FILING DATE: 1998-03-20
 PRIOR APPLICATION NUMBER: 60/083322
 PRIOR FILING DATE: 1998-04-28
 PRIOR APPLICATION NUMBER: 60/084600
 PRIOR FILING DATE: 1998-05-07
 PRIOR APPLICATION NUMBER: 60/087106
 PRIOR FILING DATE: 1998-05-28
 PRIOR APPLICATION NUMBER: 60/087607
 PRIOR FILING DATE: 1998-06-02
 PRIOR APPLICATION NUMBER: 60/087609
 PRIOR FILING DATE: 1998-06-02
 PRIOR APPLICATION NUMBER: 60/087759
 PRIOR FILING DATE: 1998-06-02
 PRIOR APPLICATION NUMBER: 60/087827
 PRIOR FILING DATE: 1998-06-03
 PRIOR APPLICATION NUMBER: 60/088021
 PRIOR FILING DATE: 1998-06-04
 PRIOR APPLICATION NUMBER: 60/088025
 PRIOR FILING DATE: 1998-06-04
 PRIOR APPLICATION NUMBER: 60/088026
 PRIOR FILING DATE: 1998-06-04
 PRIOR APPLICATION NUMBER: 60/088028
 PRIOR FILING DATE: 1998-06-04
 PRIOR APPLICATION NUMBER: 60/088029
 PRIOR FILING DATE: 1998-06-04
 PRIOR APPLICATION NUMBER: 60/088030
 PRIOR FILING DATE: 1998-06-04
 PRIOR APPLICATION NUMBER: 60/088033
 PRIOR FILING DATE: 1998-06-04
 PRIOR APPLICATION NUMBER: 60/088366
 PRIOR FILING DATE: 1998-06-04
 PRIOR APPLICATION NUMBER: 60/088167
 PRIOR FILING DATE: 1998-06-05
 PRIOR APPLICATION NUMBER: 60/088202
 PRIOR FILING DATE: 1998-06-05
 PRIOR APPLICATION NUMBER: 60/088212
 PRIOR FILING DATE: 1998-06-05
 PRIOR APPLICATION NUMBER: 60/088217
 PRIOR FILING DATE: 1998-06-05
 PRIOR APPLICATION NUMBER: 60/088655
 PRIOR FILING DATE: 1998-06-09
 PRIOR APPLICATION NUMBER: 60/088734
 PRIOR FILING DATE: 1998-06-10
 PRIOR APPLICATION NUMBER: 60/088738
 PRIOR FILING DATE: 1998-06-10
 PRIOR APPLICATION NUMBER: 60/088742
 PRIOR FILING DATE: 1998-06-10
 PRIOR APPLICATION NUMBER: 60/088810
 PRIOR FILING DATE: 1998-06-10
 PRIOR APPLICATION NUMBER: 60/088824
 PRIOR FILING DATE: 1998-06-10
 PRIOR APPLICATION NUMBER: 60/088826
 PRIOR FILING DATE: 1998-06-10

APPLICANT: Goddard, Audrey
 APPLICANT: Godowski, Paul J.
 APPLICANT: Grimaldi, J. Christopher
 APPLICANT: Gurney, Austin L.
 APPLICANT: Kjaevlin, Ivar J.
 APPLICANT: Napier, Mary A.
 APPLICANT: Pan, James
 APPLICANT: Paoni, Nicholas F.
 APPLICANT: Roy, Margaret Ann
 APPLICANT: Stewart, Timothy A.
 APPLICANT: Tumas, Daniel
 APPLICANT: Watanabe, Colin K.
 APPLICANT: Williams, P. Mickey
 APPLICANT: Wood, William I.
 APPLICANT: Zhang, Zemin
 TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
 TITLE OF INVENTION: Acids Encoding the Same
 FILE REFERENCE: P2730P1C22
 CURRENT FILING DATE: US/09/990,456
 CURRENT FILING DATE: 2001-11-14
 PRIOR APPLICATION NUMBER: 60/043787
 PRIOR FILING DATE: 1997-06-16
 PRIOR APPLICATION NUMBER: 60/062250
 PRIOR FILING DATE: 1997-10-17
 PRIOR APPLICATION NUMBER: 60/065186
 PRIOR FILING DATE: 1997-11-12
 PRIOR APPLICATION NUMBER: 60/065311
 PRIOR FILING DATE: 1997-11-13
 PRIOR APPLICATION NUMBER: 60/066770
 PRIOR FILING DATE: 1997-11-24
 PRIOR APPLICATION NUMBER: 60/075945
 PRIOR FILING DATE: 1998-02-25
 PRIOR APPLICATION NUMBER: 60/076910
 PRIOR FILING DATE: 1998-03-20
 PRIOR APPLICATION NUMBER: 60/083322
 PRIOR FILING DATE: 1998-04-28
 PRIOR APPLICATION NUMBER: 60/084600
 PRIOR FILING DATE: 1998-05-07
 PRIOR APPLICATION NUMBER: 60/087106
 PRIOR FILING DATE: 1998-05-28
 PRIOR APPLICATION NUMBER: 60/087607
 PRIOR FILING DATE: 1998-06-02
 PRIOR APPLICATION NUMBER: 60/087609
 PRIOR FILING DATE: 1998-06-02
 PRIOR APPLICATION NUMBER: 60/087759
 PRIOR FILING DATE: 1998-06-02
 PRIOR APPLICATION NUMBER: 60/087827
 PRIOR FILING DATE: 1998-06-03
 PRIOR APPLICATION NUMBER: 60/088021
 PRIOR FILING DATE: 1998-06-04
 PRIOR APPLICATION NUMBER: 60/088025
 PRIOR FILING DATE: 1998-06-04
 PRIOR APPLICATION NUMBER: 60/088026
 PRIOR FILING DATE: 1998-06-04
 PRIOR APPLICATION NUMBER: 60/088028
 PRIOR FILING DATE: 1998-06-04
 PRIOR APPLICATION NUMBER: 60/088029
 PRIOR FILING DATE: 1998-06-04
 PRIOR APPLICATION NUMBER: 60/088030
 PRIOR FILING DATE: 1998-06-04
 PRIOR APPLICATION NUMBER: 60/088033
 PRIOR FILING DATE: 1998-06-04
 PRIOR APPLICATION NUMBER: 60/088326
 PRIOR FILING DATE: 1998-06-04
 PRIOR APPLICATION NUMBER: 60/088167
 PRIOR FILING DATE: 1998-06-05
 PRIOR APPLICATION NUMBER: 60/088202
 PRIOR FILING DATE: 1998-06-05
 PRIOR APPLICATION NUMBER: 60/088212
 PRIOR FILING DATE: 1998-06-05
 PRIOR APPLICATION NUMBER: 60/088217
 PRIOR FILING DATE: 1998-06-05
 PRIOR APPLICATION NUMBER: 60/088655

1	PRIOR FILING DATE:	1998-06-03
2	PRIOR APPLICATION NUMBER:	60/088734
3	PRIOR FILING DATE:	1998-06-10
4	PRIOR APPLICATION NUMBER:	60/088738
5	PRIOR FILING DATE:	1998-06-10
6	PRIOR APPLICATION NUMBER:	60/088742
7	PRIOR FILING DATE:	1998-06-10
8	PRIOR APPLICATION NUMBER:	60/088810
9	PRIOR FILING DATE:	1998-06-10
10	PRIOR APPLICATION NUMBER:	60/088824
11	PRIOR FILING DATE:	1998-06-10
12	PRIOR APPLICATION NUMBER:	60/088826
13	PRIOR FILING DATE:	1998-06-10
14	PRIOR APPLICATION NUMBER:	60/088858
15	PRIOR FILING DATE:	1998-06-11
16	PRIOR APPLICATION NUMBER:	60/088861
17	PRIOR FILING DATE:	1998-06-11
18	PRIOR APPLICATION NUMBER:	60/088876
19	PRIOR FILING DATE:	1998-06-11
20	PRIOR APPLICATION NUMBER:	60/089105
21	PRIOR FILING DATE:	1998-06-12
22	PRIOR APPLICATION NUMBER:	60/089440
23	PRIOR FILING DATE:	1998-06-16
24	PRIOR APPLICATION NUMBER:	60/089512
25	PRIOR FILING DATE:	1998-06-16
26	PRIOR APPLICATION NUMBER:	60/089514
27	PRIOR FILING DATE:	1998-06-16
28	PRIOR APPLICATION NUMBER:	60/089532
29	PRIOR FILING DATE:	1998-06-17
30	PRIOR APPLICATION NUMBER:	60/089538
31	PRIOR FILING DATE:	1998-06-17
32	PRIOR APPLICATION NUMBER:	60/089598
33	PRIOR FILING DATE:	1998-06-17
34	PRIOR APPLICATION NUMBER:	60/089599
35	PRIOR FILING DATE:	1998-06-17
36	PRIOR APPLICATION NUMBER:	60/089600
37	PRIOR FILING DATE:	1998-06-17
38	PRIOR APPLICATION NUMBER:	60/089653
39	PRIOR FILING DATE:	1998-06-17
40	PRIOR APPLICATION NUMBER:	60/089801
41	PRIOR FILING DATE:	1998-06-18
42	PRIOR APPLICATION NUMBER:	60/089907
43	PRIOR FILING DATE:	1998-06-18
44	PRIOR APPLICATION NUMBER:	60/089908
45	PRIOR FILING DATE:	1998-06-18
46	PRIOR APPLICATION NUMBER:	60/089947
47	PRIOR FILING DATE:	1998-06-19
48	PRIOR APPLICATION NUMBER:	60/089948
49	PRIOR FILING DATE:	1998-06-19
50	PRIOR APPLICATION NUMBER:	60/089952
51	PRIOR FILING DATE:	1998-06-19
52	PRIOR APPLICATION NUMBER:	60/090246
53	PRIOR FILING DATE:	1998-06-22
54	PRIOR APPLICATION NUMBER:	60/090252
55	PRIOR FILING DATE:	1998-06-22
56	PRIOR APPLICATION NUMBER:	60/090254
57	PRIOR FILING DATE:	1998-06-22
58	PRIOR APPLICATION NUMBER:	60/090349
59	PRIOR FILING DATE:	1998-06-23
60	PRIOR APPLICATION NUMBER:	60/090355
61	PRIOR FILING DATE:	1998-06-23
62	PRIOR APPLICATION NUMBER:	60/090429
63	PRIOR FILING DATE:	1998-06-24
64	PRIOR APPLICATION NUMBER:	60/090431
65	PRIOR FILING DATE:	1998-06-24
66	PRIOR APPLICATION NUMBER:	60/090435
67	PRIOR FILING DATE:	1998-06-24
68	PRIOR APPLICATION NUMBER:	60/090444
69	PRIOR FILING DATE:	1998-06-24
70	PRIOR APPLICATION NUMBER:	60/090445
71	PRIOR FILING DATE:	1998-06-24
72	PRIOR APPLICATION NUMBER:	60/090472
73	PRIOR FILING DATE:	1998-06-24

PRIOR APPLICATION NUMBER: 60/088033
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088326
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088167
PRIOR FILING DATE: 1998-06-05
PRIOR APPLICATION NUMBER: 60/088202
PRIOR FILING DATE: 1998-06-05
PRIOR APPLICATION NUMBER: 60/088212
PRIOR FILING DATE: 1998-06-05
PRIOR APPLICATION NUMBER: 60/088217
PRIOR FILING DATE: 1998-06-05
PRIOR APPLICATION NUMBER: 60/088655
PRIOR FILING DATE: 1998-06-09
PRIOR APPLICATION NUMBER: 60/088734
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088738
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088742
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088810
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088824
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088826
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088858
PRIOR FILING DATE: 1998-06-11
PRIOR APPLICATION NUMBER: 60/088861
PRIOR FILING DATE: 1998-06-11
PRIOR APPLICATION NUMBER: 60/088876
PRIOR FILING DATE: 1998-06-11
PRIOR APPLICATION NUMBER: 60/089105
PRIOR FILING DATE: 1998-06-12
PRIOR APPLICATION NUMBER: 60/089440
PRIOR FILING DATE: 1998-06-16
PRIOR APPLICATION NUMBER: 60/089512
PRIOR FILING DATE: 1998-06-16
PRIOR APPLICATION NUMBER: 60/089514
PRIOR FILING DATE: 1998-06-16
PRIOR APPLICATION NUMBER: 60/089532
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089538
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089588
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089599
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089600
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089653
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089801
PRIOR FILING DATE: 1998-06-18
PRIOR APPLICATION NUMBER: 60/089907
PRIOR FILING DATE: 1998-06-18
PRIOR APPLICATION NUMBER: 60/089908
PRIOR FILING DATE: 1998-06-18
PRIOR APPLICATION NUMBER: 60/089947
PRIOR FILING DATE: 1998-06-19
PRIOR APPLICATION NUMBER: 60/089952
PRIOR FILING DATE: 1998-06-19
PRIOR APPLICATION NUMBER: 60/090246
PRIOR FILING DATE: 1998-06-22
PRIOR APPLICATION NUMBER: 60/090252
PRIOR FILING DATE: 1998-06-22
PRIOR APPLICATION NUMBER: 60/090254
PRIOR FILING DATE: 1998-06-22
PRIOR APPLICATION NUMBER: 60/090349
PRIOR FILING DATE: 1998-06-23
PRIOR APPLICATION NUMBER: 60/090355

PRIOR FILING DATE: 1998-06-23
PRIOR APPLICATION NUMBER: 60/090429
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090431
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090435
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090444
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090445
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090472
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090535
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090540
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090542
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090557
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090676
PRIOR FILING DATE: 1998-06-25
PRIOR APPLICATION NUMBER: 60/090678
PRIOR FILING DATE: 1998-06-25
PRIOR APPLICATION NUMBER: 60/090690
PRIOR FILING DATE: 1998-06-25
PRIOR APPLICATION NUMBER: 60/090694
PRIOR FILING DATE: 1998-06-25
PRIOR APPLICATION NUMBER: 60/090695
PRIOR FILING DATE: 1998-06-25
PRIOR APPLICATION NUMBER: 60/090696
PRIOR FILING DATE: 1998-06-25
PRIOR APPLICATION NUMBER: 60/090862
PRIOR FILING DATE: 1998-06-26
PRIOR APPLICATION NUMBER: 60/090863
PRIOR FILING DATE: 1998-06-26
PRIOR APPLICATION NUMBER: 60/091360
PRIOR FILING DATE: 1998-07-01
PRIOR APPLICATION NUMBER: 60/091478
PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091544
PRIOR FILING DATE: 1998-07-01
PRIOR APPLICATION NUMBER: 60/091519
PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091626
PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091633
PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091978
PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/091982
PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/092182
PRIOR FILING DATE: 1998-07-09

Query Match 99.0%; Score 308.8; DB 10; Length 570;
Best Local Similarity 99.4%; Pred. No. 1e-63; 2; Indels 0; Gaps 0;
Matches 310; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 ATGAAGCTCGCCGCTCTGCGTGGCCCTGTCGCTGAGCTCGGCTGCTGCT 60
|||||
Db 79 ATGAAGCTCGCCGCTCTGCGTGGCCCTGTCGCTGAGCTCGGCTGCTGCT 138
|||||
QY 61 TTCTTAGTGGGCTGGGCAAGCCTGTGGCCAGCCTGTGCGTGGAGTGGGCGG 120
|||||
Db 139 TTCTTAGTGGGCTGGGCAAGCCTGTGGCCAGCCTGTGCGTGGAGTGGGCGG 198
|||||
QY 121 GAGCGCGGGGCGGAGCCCTGTGGCAACCCCTGTGGCACCCTCAACCCCTGAAGTCTGTG 180
|||||
Db 199 GAGCGCGGGGCGGAGCCCTGTGGCAACCCCTGTGGCACCCTCAACCCCTGAAGTCTGTG 258
|||||
QY 181 CTGAGCAGCCTGGGCTATCCCGTGAACCACTCATAGAGGGCTCCAGAGTGTGTGCT 240
|||||

Db	259	CTGAGCAGCCTGGGCATCCCCGAGACACCTCATATAGAGGCTCCCAAGTGTGTGCT	318
Qy	241	GAGCTGGTCCCGAGGCGGTGGGGCCGTGAAGGCCCTGAAGCCCTGCTGGGGCCCTG	300
Db	319	GAGCTGGTCCCGAGGCGGTGGGGCCGTGAAGGCCCTGAAGGCCCTGCTGGGGCCCTG	378
Qy	301	ACAGTGTGGC	312
Db	379	ACAGTGTGGC	390

Search completed: September 20, 2003, 03:21:36
Job time : 128.366 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2003 CompuGen Ltd.

OM nucleic - nucleic search, using sw.model

Run on: September 19, 2003, 23:37:59 ; Search time 1984.44 Seconds
(without alignments)
5214.127 Million cell updates/sec

Title: US-10-081-817A-3

Perfect score: 312
Sequence: 1 atgaagctgcgcgcctcctc.....gggccttcagcagltttggc 312

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 33363688 seqs, 16581889874 residues

Total number of hits satisfying chosen parameters: 66727376

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database :

Pending Patents_NA_Main.*
1: /cgn2_6/ptodata/2/pna/PCRNUS.COMB.seq.*
2: /cgn2_6/ptodata/2/pna/US08.COMB.seq.OLD.*
3: /cgn2_6/ptodata/2/pna/US06.COMB.seq.*
4: /cgn2_6/ptodata/2/pna/US07.COMB.seq.*
5: /cgn2_6/ptodata/2/pna/US080.COMB.seq.*
6: /cgn2_6/ptodata/2/pna/US081.COMB.seq.*
7: /cgn2_6/ptodata/2/pna/US082.COMB.seq.*
8: /cgn2_6/ptodata/2/pna/US083.COMB.seq.*
9: /cgn2_6/ptodata/2/pna/US084.COMB.seq.*
10: /cgn2_6/ptodata/2/pna/US085.COMB.seq.*
11: /cgn2_6/ptodata/2/pna/US086.COMB.seq.*
12: /cgn2_6/ptodata/2/pna/US087.COMB.seq.*
13: /cgn2_6/ptodata/2/pna/US088.COMB.seq.*
14: /cgn2_6/ptodata/2/pna/US089.COMB.seq.*
15: /cgn2_6/ptodata/2/pna/US090.COMB.seq.*
16: /cgn2_6/ptodata/2/pna/US091.COMB.seq.*
17: /cgn2_6/ptodata/2/pna/US092.COMB.seq.*
18: /cgn2_6/ptodata/2/pna/US092B.COMB.seq.*
19: /cgn2_6/ptodata/2/pna/US093A.COMB.seq.*
20: /cgn2_6/ptodata/2/pna/US093B.COMB.seq.*
21: /cgn2_6/ptodata/2/pna/US094.COMB.seq.*
22: /cgn2_6/ptodata/2/pna/US095A.COMB.seq.*
23: /cgn2_6/ptodata/2/pna/US095B.COMB.seq.*
24: /cgn2_6/ptodata/2/pna/US095C.COMB.seq.*
25: /cgn2_6/ptodata/2/pna/US095D.COMB.seq.*
26: /cgn2_6/ptodata/2/pna/US096A.COMB.seq.*
27: /cgn2_6/ptodata/2/pna/US096B.COMB.seq.*
28: /cgn2_6/ptodata/2/pna/US096C.COMB.seq.*
29: /cgn2_6/ptodata/2/pna/US096D.COMB.seq.*
30: /cgn2_6/ptodata/2/pna/US096E.COMB.seq.*
31: /cgn2_6/ptodata/2/pna/US097A.COMB.seq.*
32: /cgn2_6/ptodata/2/pna/US097B.COMB.seq.*
33: /cgn2_6/ptodata/2/pna/US097C.COMB.seq.*
34: /cgn2_6/ptodata/2/pna/US098A.COMB.seq.*
35: /cgn2_6/ptodata/2/pna/US098C.COMB.seq.*
36: /cgn2_6/ptodata/2/pna/US098D.COMB.seq.*
37: /cgn2_6/ptodata/2/pna/US099A.COMB.seq.*
38: /cgn2_6/ptodata/2/pna/US099B.COMB.seq.*
39: /cgn2_6/ptodata/2/pna/US099C.COMB.seq.*
40: /cgn2_6/ptodata/2/pna/US099D.COMB.seq.*
41: /cgn2_6/ptodata/2/pna/US099E.COMB.seq.*
42: /cgn2_6/ptodata/2/pna/US099F.COMB.seq.*
43: /cgn2_6/ptodata/2/pna/US099F.COMB.seq.*

Result				SUMMARIES			
No.	Score	Query Match	Length DB	ID	Description		
1	312	100.0	312	1	PCT-US02-05403-3	Sequence 3, Appl1	
2	312	100.0	312	2	US-10-081-817-3	Sequence 3, Appl1	
3	312	100.0	461	53	US-10-631-467-467	Sequence 467, App	
4	308.8	99.0	446	21	US-09-489-036-35171	Sequence 35171, A	

Prod. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

5	308.8	99.0	446	40	US-09-943-143-35171	Sequence 35171, A
6	308.8	99.0	461	99	US-60-449-155-36	Sequence 179, Appl
7	308.8	99.0	467	31	US-09-710-281-179	Sequence 16, Appl
8	308.8	99.0	469	47	US-10-170-235-38638	Sequence 38638, A
9	308.8	99.0	491	18	US-09-277-227-11845	Sequence 11845, A
10	308.8	99.0	491	19	US-09-346-556-15624	Sequence 15624, A
11	308.8	99.0	491	38	US-09-904-703-15624	Sequence 15624, A
12	308.8	99.0	491	38	US-09-909-627-11845	Sequence 11845, A
13	308.8	99.0	512	21	US-09-471-275-10199	Sequence 10199, A
14	308.8	99.0	518	21	US-09-488-725B-495	Sequence 495, Appl
15	308.8	99.0	518	12	US-08-791-710-4	Sequence 4, Appl
16	308.8	99.0	519	15	US-09-016-387-6	Sequence 16, Appl
17	308.8	99.0	527	48	US-10-242-799-18	Sequence 18, Appl
18	308.8	99.0	527	52	US-10-426-002-18	Sequence 18, Appl
19	308.8	99.0	543	1	PCR-US99-10344-6	Sequence 6, Appl
20	308.8	99.0	543	2	PCR-US99-10344-6	Sequence 6, Appl
21	308.8	99.0	543	31	US-09-700-770-199	Sequence 6, Appl
22	308.8	99.0	543	32	US-09-700-533-199	Sequence 199, Appl
23	308.8	99.0	543	63	US-60-050-762-130	Sequence 130, Appl
24	308.8	99.0	561	48	US-10-237-435-6	Sequence 6, Appl
25	308.8	99.0	561	86	US-60-317-842-6	Sequence 8, Appl
26	308.8	99.0	562	1	PCR-US01-09339-8	Sequence 8, Appl
27	308.8	99.0	562	1	PCR-US01-09339-8	Sequence 8, Appl
28	308.8	99.0	562	15	US-09-016-387-5	Sequence 5, Appl
29	308.8	99.0	562	21	US-09-549-342A-8	Sequence 8, Appl
30	308.8	99.0	563	61	US-60-070-771-1147	Sequence 1147, Appl
31	308.8	99.0	569	39	US-09-927-796-27	Sequence 27, Appl
32	308.8	99.0	569	48	US-10-210-951-27	Sequence 27, Appl
33	308.8	99.0	569	48	US-10-211-858-27	Sequence 27, Appl
34	308.8	99.0	569	48	US-10-211-884-27	Sequence 27, Appl
35	308.8	99.0	570	31	US-09-709-938-407	Sequence 407, Appl
36	308.8	99.0	570	40	US-09-941-592-407	Sequence 407, Appl
37	308.8	99.0	570	43	US-09-969-279-407	Sequence 407, Appl
38	308.8	99.0	570	43	US-09-969-528A-407	Sequence 407, Appl
39	308.8	99.0	570	43	US-09-969-938-407	Sequence 407, Appl
40	308.8	99.0	570	43	US-09-969-721-407	Sequence 407, Appl
41	308.8	99.0	570	43	US-09-969-722-407	Sequence 407, Appl
42	308.8	99.0	570	43	US-09-969-723-407	Sequence 407, Appl
43	308.8	99.0	570	43	US-09-969-724-407	Sequence 407, Appl
44	308.8	99.0	570	43	US-09-969-725-407	Sequence 407, Appl
45	308.8	99.0	570	43	US-09-969-726-407	Sequence 407, Appl

ALIGNMENTS

```

RESULT 1
PCT-US02-05403-3
Sequence 3. Application PC/TUS0205403
GENERAL INFORMATION:
APPLICANT: Dana-Farber Cancer Institute, Inc.
TITLE OF INVENTION: H1N-1, A TUMOR SUPPRESSOR GENE
FILE REFERENCE: 00530-094W01
CURRENT APPLICATION NUMBER: PCT/US02/05403
CURRENT FILING DATE: 2002-02-22
PRIOR APPLICATION NUMBER: 60/270,973
PRIOR FILING DATE: 2001-02-23
PRIOR APPLICATION NUMBER: 60/351,908
PRIOR FILING DATE: 2002-01-25
NUMBER OF SEQ ID NOS: 32
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 3
LENGTH: 312
TYPE: DNA
ORGANISM: Homo sapiens
PCT-US02-05403-3

```

Query Match	100.0%;	Score 312;	DB 1;	Length 312;
Best Local Similarity	100.0%;	Pred. No. 4.1e-46;		
Matches 312; Conservative	0;	Mismatches	0;	Indels 0; Gaps 0

QY 1 ATGAAGCTCGCCCGCCCTCTCTGGGGCTCTGCGTGGCCCTCTCTCGACGCTCCGCTGCT 60

Db	1	ATGAGAGCTGCGCCGCCCTCTCTGGGGGCTTGGCTGGGCGCCCTGTGCTGAGCTCCGCTCGTGT	60
OY	61	TTCTTATAGTGGGCTCGGCCCAAGCTGTGGGCCCAAGCTGTGCGTGGCGTGAATGGGGGGG	120
Db	61	TTCTTATGATGGGCTCGGCCCAAGCCTGTGGGCCCAAGCCTGTGGCGCTGGAATGGGGGGG	120
OY	121	GAGGCGGGGGGCGGGACCTGTGGCCAAACCCCTCTGGGACATCCCTCAACCCGCTGAACTCTTG	180
Db	121	GAGGCGGGGGGCGGGACCTGTGGCCAAACCCCTCTGGGACATCCCTCAACCCGCTGAACTCTTG	180
OY	181	CTGAGCAGCCTTGSGGCATCTCCCGGTGAACCACTCATAGAGGGCTCCAGAAAGTGTGGCT	240
Db	181	CTGAGCAGCCTTGSGGCATCTCCCGGTGAACCACTCATAGAGGGCTCCAGAAAGTGTGGCT	240
OY	241	GAGCTGGGTTCCCAAGGCGGTGGGGGCGGTGAAGGCCCTGAAAGGCCCTGTGGGGGCCCTTG	300
Db	241	GAGCTGGGTTCCCAAGGCGGTGGGGGCGGTGAAGGCCCTGAAAGGCCCTGTGGGGGCCCTTG	300
OY	301	ACAGTGTTTGGC 312	
Db	301	ACAGTGTTTGGC 312	

RESULT 2

```

US-10-081-817-3
? Sequence 3, Application US/10081817
? GENERAL INFORMATION:
? APPLICANT: Polyak, Kornelia
? APPLICANT: Porter, Dale
? APPLICANT: Sgroi, Dennis
? APPLICANT: Krop, Ian
? TITLE OF INVENTION: HIN-1, A TUMOR SUPPRESSOR GENE
? FILE REFERENCE: 00530-094001
? CURRENT APPLICATION NUMBER: US/10/081,817
? CURRENT FILING DATE: 2002-05-31
? PRIOR APPLICATION NUMBER: 60/270,973
? PRIOR FILING DATE: 2001-02-23
? PRIOR APPLICATION NUMBER: 60/351,908
? PRIOR FILING DATE: 2002-01-25
? NUMBER OF SEQ ID NOS: 32
? SOFTWARE: FASTSEQ for Windows Version 4.0
? SEQ ID NO 3
? LENGTH: 312
? TYPE: DNA
? ORGANISM: Homo sapiens
US-10-081-817-3

```

Query Match	100.0%	Score 312;	DB 45;	Length 312;
Best Local Similarity	100.0%	Pred. No. 4	Le-46;	
Matches 312; Conservative	0;	Mismatches	0;	Indels 0;
				Gaps 0;

QY	1	ATGAACTGGCGCCCTCTGGGGGCTGACGGGCGCTGCTGACACTCGCGCTGCT	60
Db	1	ATGAACTCGCCCGCTCTGGGGGCTGCGGGCCCTGCTCGACACTCGCGCTGCT	60
QY	61	TTCCTATGGGCGCGGCGCAAGCCTGTGGCGCAGGCTGCTGGCGGTGAGATCGGGGG	120
Db	61	TTCCTATGGGCGTGGCGCAAGCCTGTGGCGCAGCTTGCTGGCGGTGAGATCGGGGG	120
QY	121	GAGGCGGGGGCGGGAGCCCTGGGCAACCCCTCGGGGACCTTCAACCCGGCTGAACCTCTG	180
Db	121	GAGGCGGGGGCGGGAGCCCTGGGCAACCCCTCGGGACCTTCAACCCGGCTGAACCTCTG	180
QY	181	CTGAGCAGCCTGGGCGTCCCGGTGAACAACCTCATAGAGGGCTCCAGAAATGTGTGCT	240
Db	181	CTGAGCAGCCTGGGCGATCCCGGTGAACAACCTCATAGAGGGCTCCAGAAATGTGTGCT	240
QY	241	GAGCTGGATCCCCAGGCGCTGGGGGCGGTGAAGGCGCTGTGATGGGGGCGCTG	300
Db	241	GAGCTGGATCCCCAGGCGCTGGGGGCGGTGAAGGCGCTGTGATGGGGGCGCTG	300
QY	301	ACAGTGTGGC 312	


```
Db 271 CTGAGCAGCCTGGGCAATCCCGTACACCACTCATATAGAGGCTCCAGAAAGTGTGGCT 330
QY 241 GAGCTGGGTCCCGACGGCCCTGGGGGCGCGTGAAGGCCCTGAAGGCCCTGCTGGGGCCCTG 300
Db 331 GAGCTGGGTCCCGACGGCCCTGGGGGCGCGTGAAGGCCCTGAAGGCCCTGCTGGGGCCCTG 390
QY 301 ACACTGTTTGGC 312
Db 391 ACACTGTTTGGC 402
```

```
RESULT 6
US-60-449-155-36
; Sequence 36, Application US/60449155
; GENERAL INFORMATION:
; APPLICANT: Keth, Tim
; TITLE OF INVENTION: NUCLEOTIDE AND AMINO ACID SEQUENCES
; FILE REFERENCE: HUM02-11P
; CURRENT APPLICATION NUMBER: US/60/449,155
; CURRENT FILING DATE: 2003-02-20
; NUMBER OF SEQ ID NOS: 1000
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 36
; LENGTH: 461
; TYPE: DNA
; ORGANISM: Human
US-60-449-155-36
```

```
Query Match 99.0%; Score 308.8; DB 99; Length 461;
Best Local Similarity 99.4%; Pred. No. 1.5e-45;
Matches 310; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
```

```
QY 1 ATGAAGCTGCGCGCCCTCTCTGCGGCTCTGCTGCGGCGCCCTGCTGCAAGCTCCGCTGCT 60
Db 22 ATGAAGCTGCGCGCCCTCTCTGCGGCTCTGCTGCGGCGCCCTGCTGCAAGCTCCGCTGCT 81
QY 61 TTCTTAGTGGGCTCTGCGCAAGCCTGTGGGCCACCTGTGCTGCTGCTGAGTGGGCGCG 120
Db 82 TTCTTAGTGGGCTCTGCGCAAGCCTGTGGGCCACCTGTGCTGCTGCTGAGTGGGCGCG 141
QY 121 GAGGCGGGGCGCGGACCTGTGGCCAAACCCCTCGGCAACCTCTCAACCGCGTGAAGCTCTG 180
Db 142 GAGGCGGGGCGCGGACCTGTGGCCAAACCCCTCGGCAACCTCTCAACCGCGTGAAGCTCTG 201
QY 181 CTGAGCAGCCTGGGCAATCCCGTGAACCACTCATATAGAGGCGTCCAGAAAGTGTGGCT 240
Db 202 CTGAGCAGCCTGGGCAATCCCGTGAACCACTCATATAGAGGCGTCCAGAAAGTGTGGCT 261
QY 241 GAGCTGGGTCCCGACGGCCCTGGGGGCGCGTGAAGGCCCTGAAGGCCCTGCTGGGGCCCTG 300
Db 262 GAGCTGGGTCCCGACGGCCCTGGGGGCGCGTGAAGGCCCTGAAGGCCCTGCTGGGGCCCTG 321
QY 301 ACACTGTTTGGC 312
Db 322 ACACTGTTTGGC 333
```

```
RESULT 7
US-09-710-281-179
; Sequence 179, Application US/09710281
; GENERAL INFORMATION:
; APPLICANT: Hunter, John J.
; APPLICANT: Shyjan, Andrew W.
; APPLICANT: Sebda, Hilde
; TITLE OF INVENTION: NOVEL NUCLEIC ACID MOLECULES AND USES
; FILE REFERENCE: 1600.2036-001
; CURRENT APPLICATION NUMBER: US/09/710,281
; CURRENT FILING DATE: 2000-11-10
; PRIOR APPLICATION NUMBER: 60/164,254
; PRIOR FILING DATE: 1999-11-09
```

```
; NUMBER OF SEQ ID NOS: 5803
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 179
; LENGTH: 467
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-710-281-179
```

```
Query Match 99.0%; Score 308.8; DB 31; Length 467;
Best Local Similarity 99.4%; Pred. No. 1.5e-45;
Matches 310; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
```

```
QY 1 ATGAAGCTGCGCGCCCTCTCTGCGGCTCTGCTGCGGCGCCCTGCTGCAAGCTCCGCTGCT 60
Db 52 ATGAAGCTGCGCGCCCTCTCTGCGGCTCTGCTGCGGCGCCCTGCTGCAAGCTCCGCTGCT 111
QY 61 TTCTTAGTGGGCTCTGCGCAAGCCTGTGGGCCACCTGTGCTGCTGCTGAGTGGGCGCG 120
Db 112 TTCTTAGTGGGCTCTGCGCAAGCCTGTGGGCCACCTGTGCTGCTGCTGAGTGGGCGCG 171
QY 121 GAGGCGGGGCGCGGACCTGTGGCCAAACCCCTCGGCAACCTCTCAACCGCGTGAAGCTCTG 180
Db 172 GAGGCGGGGCGCGGACCTGTGGCCAAACCCCTCGGCAACCTCTCAACCGCGTGAAGCTCTG 231
QY 181 CTGAGCAGCCTGGGCAATCCCGTGAACCACTCATATAGAGGCGTCCAGAAAGTGTGGCT 240
Db 232 CTGAGCAGCCTGGGCAATCCCGTGAACCACTCATATAGAGGCGTCCAGAAAGTGTGGCT 291
QY 241 GAGCTGGTCCCGACGGCCGTGGGGCGCGTGAAGGCCCTGAAGGCCCTGCTGGGGCCCTG 300
Db 292 GAGCTGGTCCCGACGGCCGTGGGGCGCGTGAAGGCCCTGAAGGCCCTGCTGGGGCCCTG 351
QY 301 ACACTGTTTGGC 312
Db 352 ACACTGTTTGGC 363
```

```
RESULT 8
US-10-170-235-38638
; Sequence 38638, Application US/10170235
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig
; TITLE OF INVENTION: KITS, SUCH AS NUCLEIC ACID ARRAYS, COMPRISING A MAJORITY OF HU
; FILE REFERENCE: C1001380
; CURRENT APPLICATION NUMBER: US/10/170,235
; CURRENT FILING DATE: 2003-03-17
; NUMBER OF SEQ ID NOS: 42514
; SEQ ID NO 38638
; LENGTH: 469
; TYPE: DNA
; ORGANISM: HUMAN
US-10-170-235-38638
```

```
Query Match 99.0%; Score 308.8; DB 47; Length 469;
Best Local Similarity 99.4%; Pred. No. 1.5e-45;
Matches 310; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
```

```
QY 1 ATGAAGCTGCGCGCCCTCTCTGCGGCTCTGCTGCGGCGCCCTGCTGCAAGCTCCGCTGCT 60
Db 24 ATGAAGCTGCGCGCCCTCTCTGCGGCTCTGCTGCGGCGCCCTGCTGCAAGCTCCGCTGCT 83
QY 61 TTCTTAGTGGGCTCTGCGCAAGCCTGTGGGCCACCTGTGCTGCTGCTGAGTGGGCGCG 120
Db 84 TTCTTAGTGGGCTCTGCGCAAGCCTGTGGGCCACCTGTGCTGCTGCTGAGTGGGCGCG 143
QY 121 GAGGCGGGGCGCGGACCTGTGGCCAAACCCCTCGGCAACCTCTCAACCGCGTGAAGCTCTG 180
Db 144 GAGGCGGGGCGCGGACCTGTGGCCAAACCCCTCGGCAACCTCTCAACCGCGTGAAGCTCTG 203
QY 181 CTGAGCAGCCTGGGCAATCCCGTGAACCACTCATATAGAGGCGTCCAGAAAGTGTGGCT 240
Db 204 CTGAGCAGCCTGGGCAATCCCGTGAACCACTCATATAGAGGCGTCCAGAAAGTGTGGCT 263
```


OY	241	GACCTGGGCCCCAGGCCCTGGGGCCCGTGAAGGCCCTGTGGGGCCCTG	300
Dd	212	GACCTGGGCCCCAGGCCCTGGGGCCCGTGAAGGCCCTGTGGGGCCCTG	155
OY	301	ACAGTGTTCGC	312
Dd	152	ACAGTGTTCGC	141

RESULT 14
US-09-488-725B-495

```

Sequence 495, Application US/09488725B
GENERAL INFORMATION:
APPLICANT: Yuanhua T. Tang
APPLICANT: John Tillinghast
APPLICANT: Ankura Sinks
APPLICANT: Chenghua Liu
APPLICANT: Radoje T. Dermanac
TITLE OF INVENTION: Novel Contigs Obtained
TITLE OF INVENTION: From Various Libraries
FILE REFERENCE: 784
CURRENT APPLICATION NUMBER: US/09/488,725B
CURRENT FILING DATE: 2000-01-21
PRIORITY APPLICATION NUMBER: US 09/004,182
PRIORITY FILING DATE: 1998-01-07
PRIORITY APPLICATION NUMBER: US 09/034,341
PRIORITY FILING DATE: 1998-02-13
PRIORITY APPLICATION NUMBER: US 09/045,400
PRIORITY FILING DATE: 1998-03-20
PRIORITY APPLICATION NUMBER: US 09/321,214
PRIORITY FILING DATE: 1999-05-26
PRIORITY APPLICATION NUMBER: US 09/131,598
PRIORITY FILING DATE: 1998-08-10
PRIORITY APPLICATION NUMBER: US 09/170,294
PRIORITY FILING DATE: 1998-10-13
PRIORITY APPLICATION NUMBER: US 09/179,473
PRIORITY FILING DATE: 1998-10-27
PRIORITY APPLICATION NUMBER: US 09/161,430
PRIORITY FILING DATE: 1998-10-28
PRIORITY APPLICATION NUMBER: US 09/235,076
PRIORITY FILING DATE: 1999-01-20
PRIORITY APPLICATION NUMBER: US 09/234,611
PRIORITY FILING DATE: 1999-01-22
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 10289
SOFTWARE: pc_ct_genes Version 1.01
SEQ ID NO 495
LENGTH: 512
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc-feature
LOCATION: (1)..(513)
OTHER INFORMATION: n = a,t,c or g
FEATURE:
NAME/KEY: misc-feature
LOCATION: (73)..(496)
OTHER INFORMATION: similar to g1575322 in the genepept database release 1144
US-09-488-725B-495
OTHER INFORMATION: Run with FASTRY 3.3f00, default parameters

```

Query Match	99.0%	Score 308.8	DB 21	Length 512
Best Local Similarity	99.4%	Pred. No. 1.4e-45		
Matches 310	Conservative 0	Mismatches 2	Indels 0	Gaps 0

QY	1	ATGAACTGCGGCCCTCTGGGGGCTGCGGGCCGTCTCAAGTCCGCTGCT	60
Db	61	ATGAACTGCGGCCCTCTGGGGGCTGCGGGCCGTCTCAAGTCCGCTGCT	120
QY	121	TTCTTGTGTGGCTCGGCGCAAGCTGTGGCCAGCTGTGCGTGGGTGAGTGGCGCG	180
Db	61	TTCTTGTGTGGCTCGGCGCAAGCTGTGGCCAGCTGTGCGTGGGTGAGTGGCGCG	120

QY	12	GAGCGCGGGGGCGGAGCCCTGGGCGCAACCCCTCGGGGACCCCGCAACCCGCGTGAAGCTCTCG	180
Db	181	GAGCGCGGGGGCGGAGCCCTGGGCGCAACCCCTCGGGGACCCCGCAACCCGCGTGAAGCTCTCG	240
QY	181	CTGAGAGCGCTGGGCGATCCCGGTGAACACCGTCATAGAGGGCTCCGAGAACTGTGTGGCT	240
Db	241	CTGAGAGCGCTGGGCGATCCCGGTGAACACCGTCATAGAGGGCTCCGAGAACTGTGTGGCT	300
QY	241	GAGCTGGGTCCTCCAGGCGCTGGGGGCGCTGAAGGCGCTGTCTGGGGGCGCTCG	300
Db	301	GAGCTGGGTCCTCCAGGCGCTGGGGGCGCTGAAGGCGCTGTCTGGGGGCGCTCG	360
QY	301	ACAGTGTGTGGC 312	
Db	361	ACAGTGTGTGGC 372	

```

RESULT 15
US-08-791-710-4
: Sequence 4, Application US/08791710
: GENERAL INFORMATION:
: APPLICANT: Russell, John C.
: APPLICANT: Colpitts, Tracey L.
: TITLE OF INVENTION: REAGENTS AND METHODS FOR DETECTING
: TITLE OF INVENTION: LUNG DISEASES
: NUMBER OF SEQUENCES: 12
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Abbott Laboratories, D377/AP6D
: STREET: 100 Abbott Park Road
: City: Abbott Park
: STATE: IL
: COUNTRY: USA
: ZIP: 60064
: COMPUTER READABLE FORM:
: MEDIUM TYPE: 3M Diskette
: COMPUTER: IBM Compatible
: OPERATING SYSTEM: DOS
: SOFTWARE: FASTSEQ version 2.0
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/791,710
: FILING DATE:
: CLASSIFICATION: 435
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER:
: FILING DATE:
: ATTORNEY/AGENT INFORMATION:
: NAME: Porembski, Priscilla E.
: REGISTRATION NUMBER: 33207
: REFERENCE/DOCKET NUMBER: 5998.US.01
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: 847-937-0378
: TELEFAX: 847-938-2623
: TELEX:
: INFORMATION FOR SEQ ID NO: 4:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 518 base pairs
: TYPE: nucleic acid
: STRANDEDNESS: single
: TOPOLOGY: linear
: US-08-791-710-4

```

Query Match	99.08;	Score 308.8;	DB 12;	Length 518;
Best Local Similarity	99.48;	Pred. No. 1.4e-45;		
Matches 310; Conservative	0;	Mismatches 2;	Indels 0;	Gaps 0

OY 3 ATAAACCTGCGGCCCTCTCTGGGGCTGCGGGCCGTCTCTCAGCTCGGCTGCGT 60
 Db 79 ATAAACCTGCGGCCCTCTCTGGGGCTGCGGGCCGTCTCTCAGCTCGGCTGCGT 138
 OY 61 TTCTTAGTGGGGCTCGGCCAAGCCTGTGGCCAGCCTGTGCTGCGCTGGAGTGGGGCG 120
 Db 139 TTCTTAGTGGGGCTCGGCCAAGCCTGTGGCCAGCCTGTGCTGCGCTGGAGTGGGGCG 198

QY 121 GAGGCGGGGCGGGGACCCCTGGGCAACCCCTCGGCAACCCCGCTGAAGCTCTG 180
Db 199 GAGGCGGGGCGGGGACCCCTGGGCAACCCCTCGGCAACCCCGCTGAAGCTCTG 258
QY 181 CTGAGCAGCCTGGGATCCCCCTGAACCACTCATAGAGGCTCCAGAGTGTGGCT 240
Db 259 CTGAGCAGCCTGGGATCCCCCTGAACCACTCATAGAGGCTCCAGAGTGTGGCT 318
QY 241 GAGTGGGTCCCCAGGCGGTGGGCGGTGAAGGCTTGAAGGCCCTGTGGGGCCCTG 300
Db 319 GAGTGGGTCCCCAGGCGGTGGGCGGTGAAGGCTTGAAGGCCCTGTGGGGCCCTG 378
QY 301 ACAGTGTGGG 312
Db 379 ACAGTGTGGG 390

Search completed: September 20, 2003, 03:12:33
Job time : 1988.94 secs

Db 301 ACAGTGTTCG 312

```

RESULT 2
US-10-081-817A-4
Sequence 4, Application US/10081817A
GENERAL INFORMATION:
APPLICANT: Polyak, Kornelia
APPLICANT: Porter, Dale
APPLICANT: Sgrol, Dennis
APPLICANT: Krop, Ian
TITLE OF INVENTION: H1N-1, A TUMOR SUPPRESSOR GENE
FILE REFERENCE: 00530-094001
CURRENT APPLICATION NUMBER: US/10/081,817A
CURRENT FILING DATE: 2002-02-22
PRIOR APPLICATION NUMBER: US 60/270,973
PRIOR FILING DATE: 2001-02-23
PRIOR APPLICATION NUMBER: US 60/351,908
PRIOR FILING DATE: 2002-01-25
NUMBER OF SEQ ID NOS: 32
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 4
LENGTH: 258
TYPE: DNA
ORGANISM: Homo sapiens
S-10-081-817A-4

```

Query Match	82.7%	Score 258;	DB 6;	Length 258;
Best Local Similarity	100.0%	Pred. No. 2.5e+48;		
Matches 258; Conservative	0;	Mismatches 0;	Indels 0;	Gaps 0

QY	CGAGCTTTCTTAACTGGGCTCGGGCAAGACCTGTGGGCGACAGCTGTGCGGCTGTGAATCG	115
Db	CGAGCTTTCTTAACTGGGCTCGGGCAAGACCTGTGGGCGACAGCTGTGCGGCTGTGAATCG	60
QY	GGCGGCGAGGCGGGGGCGGGGACCTCGGGCAACCCCTCTGCGAGCCTTAACCCGCTGAAG	174
Db	GGCGGCGAGGCGGGGGCGGGGACCTCTGGGCAACCCCTCTGCGAGCCTTAACCCGCTGAAG	120
QY	CTCTCTGTAGGCAAGCCTGGGGCATCCCCGTGAACCACTCATAGAGGGCTCCGACAGAAAGTGT	234
Db	CTCTCTGTAGGCAAGCCTGGGGCATCCCCGTGAACCACTCATAGAGGGCTCCGACAGAAAGTGT	180
QY	GTGGCTGAGCCTGGTGTCCCGAGGCGGTGGGGGCGCGGTGAAGGCGCTCGAAAGGCGCTGTGGGG	294
Db	GTGGCTGAGCCTGGTGTCCCGAGGCGGTGGGGGCGCGGTGAAGGCGCTCGAAAGGCGCTGTGGGG	240
QY	GGCCTGTACAGTGTGTGGC	312
Db	GGCCTGTACAGTGTGTGGC	258

```

RESULT 3
US-10-081-817A-23
: Sequence 23, Application US/10081817A
: GENERAL INFORMATION:
: APPLICANT: Polyak Kornelia
: APPLICANT: Porter Dale
: APPLICANT: Strol Dennis
: APPLICANT: Krop Jan
: TITLE OF INVENTION: HN1, A TUMOR SUPPRESSOR GENE
: FILE REFERENCE: 00530-094001
: CURRENT APPLICATION NUMBER: US/10/081,817A
: CURRENT FILING DATE: 2002-02-22
: PRIOR APPLICATION NUMBER: US 60/210,973
: PRIOR FILING DATE: 2001-02-23
: PRIOR APPLICATION NUMBER: US 60/351,908
: PRIOR FILING DATE: 2002-01-25
: NUMBER OF SEQ ID NOS: 32
: SOFTWARE: FastSeq for Windows Version 4.0
: SEQ ID NO: 23
LENGTH: 252

```

```

;      TYPE: DNA
;      ORGANISM: Homo sapiens
US-10-081-817A-23

```

Query Match	80.8%	Score 252	DB 6	Length 252	
Best Local Similarity	100.0%	Pred. No. 5.2e-47			
Matches 252	Conservative	0	Mismatches	0	
		Indels	0	Gaps	0

QY	61	TTCTTATGTGGCTCGGCGCAACGCTGTGGCCAGCTGTGCTGCGCTGGAATCGGCGCG	120
Db	1	TTCTTATGTGGCTCGGCGCAACGCTGTGGCCAGCTGTGCTGTGCGCTGGAATCGGCGCG	60
QY	121	GAGCGCGGGGCGGGAGCCCTGTGGCCAAACCCCTCGGCAACCCGCTGMAAGCTCTCTG	180
Db	61	GAGCGCGGGGCGGGAGCCCTGTGGCCAAACCCCTCGGCAACCCGCTGMAAGCTCTCTG	120
QY	181	CTGAGCAGCCTTGGGCATCCCCGTGAACCACTCATATAGAGGCTCCAGAAAGTGTGTGCT	240
Db	121	CTGAGCAGCCTTGGGCATCCCCGTGAACCACTCATATAGAGGCTCCAGAAAGTGTGTGCT	180
QY	241	GAGCTGTGGTCCCGAGGCGCTGTGGGGCGCTGTGAAGGCCCTGAGAGGCCCTGTGGGGGCCCTG	300
Db	181	GAGCTGTGGTCCCGAGGCGCTGTGGGGCGCTGTGAAGGCCCTGAGAGGCCCTGTGGGGGCCCTG	240
QY	301	ACAGTGTATTGGC 312	
Db	241	ACAGTGTATTGGC 252	

```

? RESULT 4
? US-10-081-817A-7
? Sequence 7, Application US/10081817A
? GENERAL INFORMATION:
? APPLICANT: POLYAK, KORNELIA
? APPLICANT: Porter, Dale
? APPLICANT: Sgrol, Dennis
? APPLICANT: KTOP, Ian
? TITLE OR INVENTION: HIN-1, A TUMOR SUPPRESSOR GENE
? FILE REFERENCE: 00530-094001
? CURRENT APPLICATION NUMBER: US/10/081,817A
? CURRENT FILING DATE: 2002-02-22
? PRIOR APPLICATION NUMBER: US 60/270,973
? PRIOR FILING DATE: 2001-02-23
? PRIOR APPLICATION NUMBER: US 60/351,908
? PRIOR FILING DATE: 2002-01-25
? NUMBER OF SEQ ID NOS: 32
? SOFTWARE: FastSeq for Windows Version 4.0
? SEQ ID NO 7
? LENGTH: 312
? TYPE: DNA
? ORGANISM: Mus musculus
? US-10-081-817A-7

```

Query Match	34.7%	Score 108.2	DB 6	Length 312
Best Local Similarity	65.78%	Pred. No. 2,66	15	
Matches	190	Conservative	0	Mismatches 93; Indels 6; Gaps 2
QY	9	CGGGCGCCCTCCTGGGCTCTGCGTGCCCTGCTCTGCACTCGCGCTGCTCTTCTTAACT	68	
Db	12	CACCACTTTCTAGAGCTCTGTGTGGCTCTCTAGAGACTCTGTGTCTTCTTCTTCTCAT	71	
QY	69	GGGCTC---GGCCAAAGCTGTGGCCAGCCGTGCGCTGTGAGTGGCGGCGGAGGC	125	
Db	72	GGACTATTGGSCAAAGCTCGGTGAGAAACCGGTGGCCCTTGTCTCCACACTGCAAGGC	131	
QY	126	CGGGGCGGGAGCCCTGGGCCAAC---CCCTCTGGAGACCTCAACCCGCTGAGTCTCTGT	182	
Db	132	TGTGGAGAGGGGTGTGGCTTACCTTAAGCACTTAAAGCACTTGGCCATCTGAGGTTCCTCT	191	
QY	183	GAGCAAGCTGGGCATCCCGTGAACCAACTCATAGAGGGTCTCCCAAGATGTGTGGCTGA	242	
Db	192	GGCGACAGATGGGCATCCCATGTGATCTCTCATATGAGAGGATCCAGGAAGATGTGTACCGA	251	

```

OY      243 GCTGGGTCCTCCAGCCGCTGGGGCCGTGAAGCCCTGAAGCCCTGCTG 291
          ||||| || |||| || || ||||| |||| || |||||
Db      252 GCTGGGCTCTAGAGCTGTGTAAGTCTACTGTGGGGGCTCTG 300

RESULT 5
US-10-081-817A-25
; Sequence 25, Application US/10081817A
; GENERAL INFORMATION:
; APPLICANT: Polyak, Kornelia
; APPLICANT: Porter, Dale
; APPLICANT: Stryol, Dennis
; APPLICANT: Krop, Ian
; TITLE OF INVENTION: HIN-1, A TUMOR SUPPRESSOR GENE
; FILE REFERENCE: 00530-094001
; CURRENT FILING DATE: 2002-02-22
; PRIOR FILING DATE: 2001-02-23
; PRIOR APPLICATION NUMBER: US 60/270,973
; PRIOR FILING DATE: 2002-01-25
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 25
; LENGTH: 249
; TYPE: DNA
; ORGANISM: Mus musculus
US-10-081-817A-25

Query Match      28.8%; Score 90; DB 6; Length 249;
Best Local Similarity 64.5%; Pred. No. 2.6e-11;
Matches 151; Conservative 0; Mismatches 80; Indels 3; Gaps 1;

OY      61 TTCTTAGTGGGCTCGGCCAAGCCTGTGGCCACCTGTGCTGCGCTGGAGTGGCGCG 120
          ||||| || ||||| ||||| ||||| ||||| ||||| |||||
Db      4  TTCATGACTCATTTGGCCAGACCTGTGGGTAGAACCCGCGCCCTTGCTCCACCTGCA 63

OY      121 GAGCGGGGCGGACCCCTGGCCACCCCTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 177
          ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db      64 GAGCGTGTGGCAGGCGCTGTGCTTACCTTACCTTACCTTACCTTACCTTACCTTACCTT 123

OY      178 CTGCTAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 237
          ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db      124 ATCTGTGGCCAGCATTTGGGATCCCATTTGATCTCATAGAGAGAGAGAGAGAGAGAGAG 183

OY      238 GCTGAGCTGGGCTGGCCAGGCGGTGAAGGCGCTGAAGGCGCTGAGCTG 291
          ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db      184 ACCGAGCTGGGCGCTGAGGCTGTAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 237

RESULT 6
US-10-081-817A-8
; Sequence 8, Application US/10081817A
; GENERAL INFORMATION:
; APPLICANT: Polyak, Kornelia
; APPLICANT: Porter, Dale
; APPLICANT: Stryol, Dennis
; APPLICANT: Krop, Ian
; TITLE OF INVENTION: HIN-1, A TUMOR SUPPRESSOR GENE
; FILE REFERENCE: 00530-094001
; CURRENT FILING DATE: 2002-02-22
; PRIOR FILING DATE: 2001-02-23
; PRIOR APPLICATION NUMBER: US 60/270,973
; PRIOR FILING DATE: 2002-01-25
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 8
; LENGTH: 255
; TYPE: DNA
; ORGANISM: Mus musculus
US-10-081-817A-8

```

```

Query Match      28.8%; Score 90; DB 6; Length 255;
Best Local Similarity 64.5%; Pred. No. 2.6e-11;
Matches 151; Conservative 0; Mismatches 80; Indels 3; Gaps 1;

OY      61 TTCTTAGTGGGCTCGGCCAAGCCTGTGGCCACCTGTGCTGCGCTGGAGTGGCGCG 120
          ||||| || ||||| ||||| ||||| ||||| ||||| |||||
Db      10 TTCATGACTCATTTGGCCAGACCTGTGGGTAGAACCCGCGCCCTTGCTCCACCTGCA 69

OY      121 GAGCGGGGCGGACCCCTGGCCACCCCTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 177
          ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db      70 GAGGCTGTGGCAGGCGCTGTGCTTACCTTACCTTACCTTACCTTACCTTACCTTACCTT 129

OY      178 CTGCTAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 237
          ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db      130 ATCTGTGGCCAGCATTTGGGATCCCATTTGATCTCATAGAGAGAGAGAGAGAGAGAGAG 189

OY      238 GCTGAGCTGGGCTGGCCAGGCGGTGAAGGCGCTGAAGGCGCTGAGCTG 291
          ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db      190 ACCGAGCTGGGCGCTGAGGCTGTAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 243

RESULT 7
US-10-081-817A-20
; Sequence 20, Application US/10081817A
; GENERAL INFORMATION:
; APPLICANT: Polyak, Kornelia
; APPLICANT: Porter, Dale
; APPLICANT: Stryol, Dennis
; APPLICANT: Krop, Ian
; TITLE OF INVENTION: HIN-1, A TUMOR SUPPRESSOR GENE
; FILE REFERENCE: 00530-094001
; CURRENT FILING DATE: 2002-02-22
; PRIOR FILING DATE: 2001-02-23
; PRIOR APPLICATION NUMBER: US 60/270,973
; PRIOR FILING DATE: 2002-01-25
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 20
; LENGTH: 279
; TYPE: DNA
; ORGANISM: Rattus norvegicus
US-10-081-817A-20

Query Match      28.0%; Score 87.4; DB 6; Length 279;
Best Local Similarity 65.5%; Pred. No. 9.8e-11;
Matches 144; Conservative 0; Mismatches 73; Indels 3; Gaps 1;

OY      75 GCCAAGCTGTGGCCCAAGCCTGTGCTGCGCTGAGTCCGCGGAGGCGCGGCGCG 134
          ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db      48 GGCACAGCTGTGTGTAAGACCCGTGGCTGCTTGTACAGAGTGCAGAGGCTGTGCGAG 107

OY      135 GACCTGTGGCCAAACCCCTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 191
          ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db      108 GGTGTGTGCTTACCTTACCTTACCTTACCTTACCTTACCTTACCTTACCTTACCTTACCTT 167

OY      192 GGGCATCCCGGTGAACACCTTACCTTACCTTACCTTACCTTACCTTACCTTACCTTACCTT 251
          ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db      168 GGGCATCCCGGTGAACACCTTACCTTACCTTACCTTACCTTACCTTACCTTACCTTACCTT 227

OY      252 CCAGGCGGTGGGGCGGTGAAGGCGCTGAAGGCGCTGAGCTGAGTGGTTC 291
          ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db      228 TGAGGCTGTAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 267

RESULT 8
US-10-081-817A-26
; Sequence 26, Application US/10081817A
; GENERAL INFORMATION:
; APPLICANT: Polyak, Kornelia
; APPLICANT: Porter, Dale
US-10-081-817A-26

```

```

; APPLICANT: Szrol, Dennis
; APPLICANT: Krop, Ian
; TITLE OF INVENTION: HIN-1, A TUMOR SUPPRESSOR GENE
; FILE REFERENCE: 00530-094001
; CURRENT APPLICATION NUMBER: US/10/081,817A
; PRIOR FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: US 60/270,973
; PRIOR FILING DATE: 2001-02-23
; PRIOR APPLICATION NUMBER: US 60/351,908
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 26
; LENGTH: 249
; TYPE: DNA
; ORGANISM: Rattus norvegicus
US-10-081-817A-26

```

```

Query Match
Best Local Similarity 15.3%; Score 87.2; DB 6; Length 249;
Matches 144; Conservative 0; Mismatches 73; Indels 3; Gaps 1;

```

```

QY 75 GGGCAGCCTGTCGCGCCAGCCTGTCGCTGCGTGGAGTCGCGCGGAGCGCGGCGCGG 134
    |||||||
DB 18 GGGCAGCCTGTCGCGCGGAGCCTGTCGCTGCGTGGAGTCGCGCGGAGCGCGGCGCGG 134
    |||||||
QY 135 GACCTGCGCAGCAGCCCGC--TCGGCAGCCTCAACCCGCTGAAGCTCCTGTCGAGAGCCT 191
    |||||||
DB 78 GCGTCGCTAGCCTCAACCTCAAGCCACTTGGCCATCCTGAGTTCATCGTACCGAGCCT 137
    |||||||
QY 129 GGGCAGCCTGTCGCGCCAGCCTGTCGCTGCGTGGAGTCGCGCGGAGCGCGGCGCGG 251
    |||||||
DB 138 GGGCAGCCTGTCGCGCGGAGCCTGTCGCTGCGTGGAGTCGCGCGGAGCGCGGCGCGG 251
    |||||||
QY 232 CCAGCGCTGCGCGCGCTGTCGAGAGCGCTGAAGCGCCCTGCTG 291
    |||||||
DB 198 TGAGCCTGTAGAGCTGTGAGAGTCACTGCTGGGCGCCCTG 237
    |||||||

```

```

RESULT 9
PCT-US03-11231-193
; Sequence 193, Application PC/TUS0311231
; GENERAL INFORMATION:
; APPLICANT: Corixa Corporation
; APPLICANT: Day, Craig H.
; APPLICANT: Hosken, Nancy A.
; APPLICANT: Parsons, Joseph M.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE DIAGNOSIS AND
; FILE REFERENCE: 210121.53801PC
; CURRENT APPLICATION NUMBER: PCT/US03/11231
; CURRENT FILING DATE: 2003-04-09
; NUMBER OF SEQ ID NOS: 267
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 193
; LENGTH: 3957
; TYPE: DNA
; ORGANISM: HSV2
PCT-US03-11231-193

```

```

Query Match
Best Local Similarity 15.3%; Score 50.8; DB 1; Length 3957;
Matches 142; Conservative 0; Mismatches 152; Indels 0; Gaps 0;

```

```

QY 7 CTCGCGCGCCTCTCGGGCTGTCGCTGCGCTGTCCTGAGTCGCGTCTGCTCTTCTTA 66
    |||||||
DB 1921 CTCGCGCGCCTCTCGGGCTGTCGCTGCGCTGTCCTGAGTGGCGGAGGCTTCGACGGAGCTGGCG 1980
    |||||||
QY 67 GTGGGCTCGGCCAACCTGTGGCCAGCCTGTGCTGCGTGGAGTGGAGTGGCGGAGGCC 126
    |||||||
DB 1981 GCGGTGGCGGCGCTGCGCGGAGCCTGCGCGCGCGCGCGCGCGCGCGCGCGCGCGC 2040
    |||||||
QY 127 GGGGCGGAGCCTGCGCAGCCCTCTGCGCAGCCCTCAACCGCGTGAAGCTCTCTGAGC 186
    |||||||

```

```

DB 2041 GCGCGCGCGCGCGCGCAGCGCGAGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 2100
    |||||||
QY 187 AGCCGGGCGATCCCGCGTAACACCTCATAGAGGCTTCAGAGTGTGTGCTGAGCTG 246
    |||||||
DB 2101 TTCGTGGCGCAGCGCGCTGTGTCTATGCGCTGCGCGGAGCCTGCGCGCGCGCGCGC 2160
    |||||||
QY 247 GGTCCGAGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 300
    |||||||
DB 2161 AGCAGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 2214
    |||||||

```

```

RESULT 10
US-09-842-364A-10
; Sequence 10, Application US/09842364A
; GENERAL INFORMATION:
; APPLICANT: Yen-Potin, Frances
; APPLICANT: Denison, Blake
; APPLICANT: Bour, Barbara
; APPLICANT: Blum, Bernard
; APPLICANT: Dumas, Mline Edwards, Jean-Baptiste
; APPLICANT: Duclert, Aymeric
; APPLICANT: Bouguetier, Lydie
; TITLE OF INVENTION: Sequences and Biallelic Markers Thereof
; FILE REFERENCE: G-089US04CIP
; CURRENT APPLICATION NUMBER: US/09/842,364A
; PRIOR FILING DATE: 2001-04-25
; PRIOR APPLICATION NUMBER: US 09/599,362
; PRIOR FILING DATE: 2000-06-21
; PRIOR APPLICATION NUMBER: US 60/141,032
; PRIOR FILING DATE: 1999-06-25
; PRIOR APPLICATION NUMBER: PCT/IB99/02058
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: US 09/469,099
; PRIOR FILING DATE: 1999-12-21
; PRIOR APPLICATION NUMBER: US 60/113,686
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 10
; LENGTH: 1466
; TYPE: DNA
; ORGANISM: Human Apoa IV
US-09-842-364A-10

```

```

Query Match
Best Local Similarity 14.1%; Score 44; DB 5; Length 1466;
Matches 110; Conservative 0; Mismatches 110; Indels 0; Gaps 0;

```

```

QY 78 CAGCGTGTGGCGCGAGCCTGTCGCTGCGCTGAGTGGCGCGGAGCGCGGCGCGGAGC 137
    |||||||
DB 822 CCACCTGTAGAGGCGCTGACCTTCACAGATGAAGAAGAACGCCGAGAGACTCAAGGCCAGAGAT 881
    |||||||
QY 138 CCGGCGCAGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 197
    |||||||
DB 882 CTCGCGCAGTGCAGAGAGTGCAGGAGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 941
    |||||||
QY 198 CCCGCTGAACCACTATAGAGGCTCCCGAAGTGTGTGCTGAGAGTGGTCCCGAGCC 257
    |||||||
DB 942 CACCTGTAGAGGCGCAGCAGCGAGGCGCTGCAAGAAGTCACTGCGCAGAGAGTGTGGACACT 1001
    |||||||
QY 258 CTTGGGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 297
    |||||||
DB 1002 GAGCAGCAGTGTAGAGAGTTCGACAGCGCGGCTGAGGCC 1041
    |||||||

```

```

RESULT 11
US-60-487-610-740
; Sequence 740, Application US/60487610
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele
; APPLICANT: HUANG, Hongjin

```

```

? TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
? TITLE OF INVENTION: LAYER FIBROSIS IN HEPATITIS C VIRUS-INFECTED SUBJECTS
? TYPE OF INVENTION: METHODS OF DETECTION AND USES THEREOF
? FILE REFERENCE: CL001469
? CURRENT APPLICATION NUMBER: US/60/487,610
? CURRENT FILING DATE: 2003-07-17
? NUMBER OF SEQ. ID NOS.: 97101
? SOFTWARE: FASTSEQ FOR WINDOWS Version 4.0
? SEQ ID NO 740
? LENGTH: 1754
? TYPE: DNA
? ORGANISM: Homo sapiens
? OS-60-487-610-740

```

	Query Match	14.0%	Score 43.8	DB 7	Length 1754	
	Best Local Similarity	47.0%	Pred. No. 0.53			
	Matches 132	Conservative	1	Mismatches 148	Indels 0	Gaps 0
QY	6	GCACGCGCGCCCTCCGCGGGCTCTGCGTCCGCGCCCTCCGCGAGCTCCCGCTGCTTTCTT	65			
Db	440	GCCTTCGGGCCACAAAGGCCCTCCGGAGCCCTCGTGTGTCGAGGCTTCCAGGGCCACAAG	499			
QY	66	AGCGGCGCTGGCGCAAGCCCTGTGCGCCGACCTGTGCGTGGTGAATGGCGCGGAGGC	125			
Db	500	GGCAGATGGAGAACCCCGCGCTTCCAGGCCCCCAAGGGCTCCGAGGTGACGTGGCGAC	559			
QY	126	CGGGGCGCGGACCCCTGCGGCACACCCCTCGGACACCTCAACCCGCTGAAGTCTGCTGAG	185			
Db	560	CGGGGCTCCGGAGGTCCCGAGGGCCCTTAAGGAGACACAGGGTATTGCAAGTTCCGACGT	619			
QY	186	CAGCCTGGGCGATCCCGGTACCACTCATATGAGGGCTCCCAAGATGTGTGCTGAGCT	245			
Db	620	CTTCTCGGGGATTAAGAAAGAACTGGGTCCCAAGGGCCCTGGTGGGACCAAAAGAGAGTCT	679			
QY	246	GGGTCCCAAGGCCGCTGGGGGCGCTGAAGGCCCTCTGAAGGCC	286			
Db	680	GGCAGTGGAGGGAGCTGGGGCCCAAGGACCAACGAGGTCC	720			

```

RESULT 12
US-09-475-704A-7
Sequence 7, Application US/09475704A
GENERAL INFORMATION:
APPLICANT: Barnett, Susan
TITLE OF INVENTION: POLYNUCLEOTIDES ENCODING ANTIGENIC HIV TYPE C
TITLE OF INVENTION: POLYPEPTIDES, POLYPEPTIDES AND USBS THEREOF
FILE REFERENCE: 1631_002
CURRENT APPLICATION NUMBER: US/09/475,704A
PRIOR APPLICATION NUMBER: 60/152,195
PRIOR FILING DATE: 1999-12-30
NUMBER OF SEQ ID NOS: 30
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 7
LENGTH: 1944
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: synthetic
OTHER INFORMATION: gp140 coding region of HIV strain AFI10968
US-09-475-704A-7

```

	Query Match	Similarity	Score	DB	Length
Best Local	14.0%	47.6%	43.8	5	1944
Matches	129	Conservative	0	Mismatches	142
				Indels	0
				Gaps	0

	Query	Score	DB	Length
30	CGTGGCCCGTCCAGCTCCGCGCTTCTTATCGGCGTCCGCAACCGTGTGC	89		
Db	1377 CCGTGGCGTGGCGCCCGCCACCGAAGCCGCGCGCTGTGTGAAGCCGAAAGCGCGCT	1438		
QY	90 CCAAGCTGTGCTGGCTGTGAGATGGCGGAGGCGGAGGCGCGGAGCGCGGACCTTGGGCCAACCC	149		

Db	1437	GGGCTCGGCGCGCGTTTCTGGGTTTCTGAGGCGCCGCGGAGCACACATGGGCGCGC	1496
Qy	150	CCTGGGACCCCTCAACCCGCTGAACTCTCTGAGCAGCTTGAGGATCCCGCTGAACCA	209
Db	1497	CAGCATCAACCTGACCGTGCAGGCGCGCTCTCTGCTGAGCGCATTCGCGCAGCAGCAA	1556
Qy	210	CCTCTAAGAGGGCTCCCAAGTAGTGTGTGGCTGAGTGGTCCCAAGGCGCTGGGAGCGGT	269
Db	1557	CACCTGCTGCGCGGCATCGAGCGCCACAGACACTGTTGAGCTGACCGTGTGGGCAT	1616
Qy	270	GAAAGCCTGAAGGCGCTGTGGGGGCGCTG	300
Db	1617	CAAGCAGCTGCAGACCCGCACTCTGGCCGTG	1647

```

RESULT 13
US-60-487-610-739
; Sequence 739, Application US/60487610
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele
; APPLICANT: HUANG, Hongjin
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: LIVER FIBROSIS IN HEPATITIS C VIRUS-INFECTED SUBJECTS,
; TITLE OF INVENTION: METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CLO01469
; CURRENT APPLICATION NUMBER: US/60/487, 610
; CURRENT FILING DATE: 2003-07-17
; NUMBER OF SEQ ID NOS: 97101
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO: 739
; LENGTH: 2425
; TYPE: DNA
; ORGANISM: Homo sapiens
US-60-487-610-739

```

Query Match	14.0%;	Score 43.8;	DB 7;	Length 2425;
Best Local Similarity	47.0%;	Pred. No. 0.56;		
Matches 132;	Conservative	1;	Mismatches 148;	Indels 0;
			Gaps	0.
Qy	6	GCACGCGCCCTCTGCGGGGCTCTGCGTGGCCCTCTGTCGTCGACACTCCGCTCGCTTTCTT	65	
Db	1165	GCCTCTGGCCCCCAAGAGCCCTCTCCGAGGCCCTCTGGTGTGTCGAGCTTCCAGGGCCCAAG	1224	
Qy	66	AGTGGGCTGGGCAACCTGTGTGGCCAGCGCTTGCCTGGGTGAGAGTGGCGGCGAGAGC	125	
Db	1225	GGCAGCATGGAGAACCCCGCGCTTCCAGGCCCCCAAGGGCTCCGAGTGTACTGTGGCGAGC	1284	
Qy	126	CGGGGGCGGGGACCCCTGTGGCAACCCCTGTGGCAACCCCGGTGAAGCTCTCTGTAG	185	
Db	1285	CGGGGTCTCGGAGAGTCCCGMAAGGCCCTTAAGGAGAACAGGTATTGACAGCTTCCAGGCT	1344	
Qy	186	CACCTCTGGGCATCCCGGTAAACACTCTATTAAAGAGGCTCCCAAGATGTGTGGCGAGGT	245	
Db	1345	CTTCTCGGGGATTAAGAGAACTAGGGTCTCCAGGGCTGTGGTGGACCCCAAGAGAGACTT	1400	
Qy	246	GGGTCCCCAGGCCGCTGGGGCCCTGTGAAGCCCTTGAAGGCC	286	
Db	1405	GGCAGTCTGAAGGGAGCTGGGCCCAAGAGGCCCAAGCCAGGGTCC	1445	

```

RESULT 14
US-09-475-704A-8
: Sequence 8, Application US/09475704A
: GENERAL INFORMATION:
: APPLICANT: Barnett, Susan
: APPLICANT: Zur Wege, Jan
: TITLE OF INVENTION: POLYNUCLEOTIDES ENCODING ANTIGENIC HIV TYPE C
: TITLE OF INVENTION: POLYPEPTIDES, POLYPEPTIDES AND USES THEREOF
: FILE REFERENCE: 1631.002
: CURRENT APPLICATION NUMBER: US/09/475.704A
: CURRENT FILING DATE: 1999-12-30
: PRIOR APPLICATION NUMBER: 60/152,195
: PRIOR FILING DATE: 1999-09-01

```

; NUMBER OF SEQ ID NOS: 30
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO 8
 ; LENGTH: 2466
 ; TYPE: DNA
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: Description of Artificial Sequence: synthetic
 ; OTHER INFORMATION: gp160 coding region of HIV strain AF110968
 US-03-475-704A-8

Query Match
 Best Local Similarity 14.0%; Score 43.8; DB 5; Length 2466;
 47.6%; Pred. No. 0.56;
 Matches 129; Conservative 0; Mismatches 142; Indels 0; Gaps 0;

QY 30 CGTGGCCCTGTCCTGACAGCTCCGCTGCTTCTTCTAGTGGGCTCGGCCAAGCCTGTGC 89
 DB 1377 CTTGGGCTGGCCCCACCGAGGCCAAGCGCGGTGTGAGCGCGAGAGCGGCCGT 1436
 QY 90 CCAGCCTGCGCTGCGTGGAGTGGCGCGGAGCGGCGGCGGAGCCCTGAGCCCAACC 149
 DB 1437 GGGCATCGGCGCCCGTGTCTTCTGCGGCGCGCGCGCGAGCAACCATGGCGCCG 1496
 QY 150 CCTGGGACCCCTCAACCCCGCTGAAGCTGCTGTGAGCAGCCTGAGCATCCCGTGAACA 209
 DB 1497 CAGCATCACCTGACCGCTGAGCGCGCGCGCTGCTGAGCGCATCTGTGACAGCAGAA 1556
 QY 210 CCTCATAGAGGCTGCCAGAGTGTGTGCTGAGCTGCTGCCAGGCCGTGGGCGCGT 269
 DB 1557 CAACCTGCTGCGCGCGCATCGAGGCCCAAGCAGCAGCTGCTGAGCTGACCGGTGGGCT 1616
 QY 270 GAAGCCCTGAAGCCCTGCTGGGCGCGCTG 300
 DB 1617 CAGCAGCTGCGAGCCGCGCATCTGCGCGT 1647

RESULT 15
 US-60-487-610-738
 ; Sequence 738, Application US/60487610
 ; GENERAL INFORMATION:
 ; APPLICANT: CARGILE, Michele
 ; APPLICANT: HUANG, Hongjin
 ; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
 ; TITLE OF INVENTION: LIVER FIBROSIS IN HEPATITIS C VIRUS-INFECTED SUBJECTS,
 ; FILE REFERENCE: CLO01469
 ; CURRENT APPLICATION NUMBER: US/60/487,610
 ; NUMBER OF SEQ ID NOS: 97101
 ; SOFTWARE: FastSeq for Windows Version 4.0
 ; SEQ ID NO 738
 ; LENGTH: 2480
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 US-60-487-610-738

Query Match
 Best Local Similarity 14.0%; Score 43.8; DB 7; Length 2480;
 47.0%; Pred. No. 0.56;
 Matches 132; Conservative 1; Mismatches 148; Indels 0; Gaps 0;

QY 6 GCTGCGCGCTCTGCGGCTGTGCTGCGCTGTCTGAGCTCCGCTGCTTCTT 65
 DB 1165 GCCCTCGGCTCAAGGCTCTCCGAGGCCCTGTGTGTCGAGGCTTCCAGGCGCAAG 1224
 QY 66 AGTGGCTCGGCAAGCCTGTGCGCAGCTGTGCTGAGTGTGCGGCGGAGGC 125
 DB 1225 GGCAGCATGGGAGACCCCGGCTTCCAGGCGCCCGAGGCTCCAGGTGACGTGGCGAC 1284
 QY 126 CGGGGCGGAGCCTGCGCAACCCCTGCGCAGCCTCAACCCGCTGAAGCTCTGCTGAG 185
 DB 1285 CGGGGTCCGAGGATGCGCAAGGCGCTTAAGGAGACCAAGGATTTGACAGTTCCGACGCT 1344
 QY 186 CAGCCTGGGCTATCCCGTGAACCACTCATAGAGGCTCCCAAGAGTGTGTGCTGAGCT 245

DB 1345 CTTCTGGGATTAAGAGAACTGGGTCCAGCGGCTGTGCGACCCAAAGAGAGTCT 1404
 QY 246 GGTGCCAGGCGCGGTGGGCGCGTGAAGGCGCTGAAGGCC 286
 DB 1405 GGCAGTGAAGGAGCTGGGCGCCCAAGGCAAGGAGGTCC 1445

Search completed: September 20, 2003, 03:15:36
 Job time : 64.46 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2003 CompuGen Ltd.

OM nucleic - nucleic search, using sw model

Run on: September 19, 2003, 23:17:58 ; Search time 1396.59 Seconds

(without alignments)
9139.272 Million cell updates/sec

Title: US-10-081-817A-3

Perfect score: 312
Sequence: 1 atgaagctgcgcgcctcctc.....gggcctgacagtgttggc 312Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 2888711 segs, 2045481386 residues

Total number of hits satisfying chosen parameters: 5777422

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%
Listing first 45 summaries

Database :

GenEmbl.*
1: gb_ba:*
2: gb_hg:*
3: gb_in:*
4: gb_om:*
5: gb_ov:*
6: gb_pa:*
7: gb_ph:*
8: gb_pl:*
9: gb_pr:*
10: gb_ro:*
11: gb_sts:*
12: gb_sy:*
13: gb_un:*
14: gb_vl:*
15: em_ba:*
16: em_fun:*
17: em_hum:*
18: em_in:*
19: em_mu:*
20: em_om:*
21: em_or:*
22: em_ov:*
23: em_pat:*
24: em_ph:*
25: em_pl:*
26: em_ro:*
27: em_sts:*
28: em_un:*
29: em_vl:*
30: em_hg_hum:*
31: em_hg_inv:*
32: em_hg_other:*
33: em_hg_mus:*
34: em_hg_pla:*
35: em_hg_pod:*
36: em_hg_mam:*
37: em_hg_vrt:*
38: em_sy:*
39: em_hngo_hum:*
40: em_hngo_mus:*
41: em_hngo_other:*

Pred. No. is the number of results predicted by chance to have a

score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	312	100.0	461	9	AY040564
2	308.8	99.0	471	9	AY040564 Homo sapi
3	308.8	99.0	503	9	BC029176 Homo sapi
4	308.8	99.0	519	6	BD082142 Reagents
5	308.8	99.0	562	6	BD082141 Reagents
6	308.8	99.0	569	6	AX201348 Sequence
7	308.8	99.0	570	6	AR252648 Sequence
8	308.8	99.0	570	6	AX403520 Sequence
9	307.2	98.5	347	9	AF313458 Homo sapi
10	238.2	76.3	130129	2	AC108083 Homo sapi
11	238.2	76.3	166777	2	AC105613 Homo sapi
12	238.2	76.3	168347	2	AC025336 Homo sapi
13	238.2	76.3	190024	9	AC122714 Homo sapi
14	227.2	72.8	127488	2	AC022095 Homo sapi
15	183	58.7	225	6	BD082139 Reagents
16	165.4	53.0	380	6	AX334451 Reagents
17	162.8	52.2	244	6	BD082138 Reagents
18	108.2	34.7	525	10	AF313456 Mus muscu
19	90.4	29.0	245659	2	AC098957 Rattus no
20	90.4	29.0	283593	2	AC131433 Rattus no
21	90	28.8	630	10	AF313457 Mus muscu
22	88.4	28.3	254981	10	AF313457 Mus muscu
23	65.8	21.1	190	6	BD082137 Reagents
24	50.4	18.1	366	6	AF313455 Homo sapi
25	50.4	18.1	308	6	AX376176 Sequence
26	35.8	17.9	350	9	BC024232 Homo sapi
27	35.8	17.9	166644	9	AC011532 Homo sapi
28	32.8	16.9	523	10	AF274959 Mus muscu
29	32.8	16.9	589	10	AF274960 Mus muscu
30	52.8	16.9	853	10	AF274961 Mus muscu
31	52.8	16.9	147774	2	AC104867 Rattus no
32	52.8	16.9	237987	2	AC106616 Rattus no
33	51.2	16.4	303550	1	SC0939131 Streptomy
34	50.8	16.3	3957	6	A45258 Sequence 2
35	50.8	16.3	154746	14	HSV2HG52 Herpes simp
36	50.8	16.3	154746	14	HSV2HG52 Herpes simp
37	49.6	15.9	357	6	BD058364 Secreted
38	49.2	15.8	1875	9	AF169017 Homo sapi
39	49.2	15.8	1900	9	AF289021 Homo sapi
40	49.2	15.8	1918	9	BC052248 Homo sapi
41	49.2	15.8	1930	9	AF289024 Homo sapi
42	48.6	15.6	106873	14	AB096160 Cercopith
43	48.6	15.6	156789	14	AF533768 Cercopith
44	48.6	15.6	156789	14	AF533768 Cercopith
45	48	15.4	93872	8	CNS08C7S Oryza sat

ALIGNMENTS

RESULT 1	LOCUS	DEFINITION	ACCESSION	VERSION	KEYWORDS	SOURCE	ORGANISM	REFERENCE	AUTHORS
AY040564	AY040564	Homo sapiens HIN-1 putative cytokine mRNA, complete cds.	AY040564	AY040564.1	GI:15079187	Homo sapiens (human)	461 bp mRNA linear PRI 15-AUG-2001	1 (bases 1 to 461)	Krop, I.E., Sgarbi, D., Porter, D.A., Lunetta, K.L., LeVangie, R., Seth, P., Kaelin, C.M., Rhel, E., Rosenberg, M., Schmitt, S., Marks, J.R., Pagon, Z., Belina, D., Razumovic, J. and Polyak, K.

TITLE HIN-1, a putative cytokine highly expressed in normal but not cancerous mammary epithelial cells
 JOURNAL Proc. Natl. Acad. Sci. U.S.A. 98 (17), 9796-9801 (2001)
 MEDLINE 21396515
 PUBMED 11481438
 REFERENCE 2 (bases 1 to 461)
 AUTHORS Polyak K., Krop I. and Sgroi D.
 JOURNAL Title Submitted (15-JUN-2001) Adult Oncology, Dana-Farber Cancer Institute, 44 Binney St., D740C, Boston, MA 02115, USA
 FEATURES Location/Qualifiers
 source 1..461
 /organism="Homo sapiens"
 /mol_type="mRNA"
 /db_xref="taxon:9606"
 /chromosome="5"
 /map="5q35-tel"
 22..436
 /note="high in normal-1 putative cytokine"
 /codon_start=1
 /product="HIN-1 putative cytokine"
 /protein_id="AAK82942.1"
 /db_xref="GI:15079188"
 /translation="MKLAALGICVALSCSSARAFVGSARFVAPVPALESAEAGA
 GLANPLTLNPLKLLLSLGIPIVNHLEIGSQKCYAELGPQAVGVAKKALLALTY
 FG"

BASE COUNT 68 a 171 c 149 g 73 t

Query Match 100.0%; Score 312; DB 9; Length 461;
 Best Local Similarity 100.0%; Pred. No. 1, Be-39;
 Matches 312; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ATGAAGCTGCGCGCCCTCTGCTGCGTGGCGCCCTGCTGAGCTCCGCTGCT 60
 |||||||
 DB 22 ATGAAGCTGCGCGCCCTCTGCTGCGTGGCGCCCTGCTGAGCTCCGCTGCT 81
 |||||||
 QY 61 TTCTTAGTGGGCTGCGCCCAAGCTGTGGCCCAAGCTGTGCTGGCTGGAGTGGCGG 120
 |||||||
 DB 82 TTCTTAGTGGGCTGCGCCCAAGCTGTGGCCCAAGCTGTGCTGGCTGGAGTGGCGG 141
 |||||||
 QY 121 GAGCGCGGGCGGGAGCCCTGCGCCCAAGCCCTGCGACCCCTCAACCCGCTGAAGCTCCTG 180
 |||||||
 DB 142 GAGCGCGGGCGGGAGCCCTGCGCCCAAGCCCTGCGACCCCTCAACCCGCTGAAGCTCCTG 201
 |||||||
 QY 181 CTGAGCAGCTGGGCAATCCCGTGAACACCTCATAGAGGCTCCCAAGAGTGTGTGCT 240
 |||||||
 DB 202 CTGAGCAGCTGGGCAATCCCGTGAACACCTCATAGAGGCTCCCAAGAGTGTGTGCT 261
 |||||||
 QY 241 GAGCTGGGTCCCAAGGCGGTGGGGCCGTGAAGGCCCTGAAGGCCCTGTGGGGGCCCTG 300
 |||||||
 DB 262 GAGCTGGGTCCCAAGGCGGTGGGGCCGTGAAGGCCCTGAAGGCCCTGTGGGGGCCCTG 321
 |||||||
 QY 301 ACAGTGTGTGGC 312
 |||||||
 DB 322 ACAGTGTGTGGC 333

RESULT 2
 HUMZB52D10
 LOCUS HUMZB52D10 471 bp mRNA linear PRI 29-AUG-1998
 DEFINITION Homo sapiens full length insert cDNA clone ZB52D10.
 ACCESSION AF086152
 VERSION AF086152.1 GI:3483497
 KEYWORDS FLI CDNA.
 SOURCE Homo sapiens (human)
 ORGANISM Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.
 Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.
 REFERENCES
 1 (bases 1 to 471)
 Messmer, J., Tan, F., Marra, M., Kucaba, T., Yandell, M., Martin, J.,
 Martin, G., Bowles, L., Wylie, T., Bowers, Y., Steptoe, M., Theising, B.,
 Geisel, S., Allen, M., Underwood, K., Chappell, J., Person, B.,

TITLE Gibbons, M., Harvey, N., Pape, D., Chamberlain, A., Morales, R.,
 Schurk, R., Ritter, E., Kohn, S., Swaller, T., Behrmer, R., Hillier, L.,
 Wilson, R. and Waterston, R.
 JOURNAL Full Clone Sequencing of the Longest Available Member from Each
 Unigene Cluster
 REFERENCE 2 (bases 1 to 471)
 AUTHORS Waterston, R.
 JOURNAL Title Submitted (24-AUG-1998) Department of Genetics, Washington
 University, 4444 Forest Park Avenue, St. Louis, Missouri 63108, USA
 COMMENT SUBMITTED BY:
 Genome Sequencing Center
 Department of Genetics
 Washington University
 St. Louis MO 63108, USA
 http://genome.wustl.edu/gsc
 mailto:est@watson.wustl.edu

NOTICE: This sequence represents the full insert of this cDNA. No attempt has been made to verify whether this corresponds to the full-length of the original mRNA from which it was derived. We have tried to obtain double-stranded, or double chemistry sequence across the entire clone, but potentially, there are areas in the sequence where this level of coverage was not achieved. Nevertheless, we are confident of the accuracy of this sequence as all regions of low quality, as defined by PHRAP (P. Green, in preparation), were visually inspected and edited accordingly. The consensus quality values for this sequence have been submitted separately.

The location of this clone is unknown.

FEATURES
 source 1..471
 /organism="Homo sapiens"
 /mol_type="mRNA"
 /db_xref="taxon:9606"
 /clone="IMAGE:307219"
 /clone_lib="Soares_fetal_lung_NBHL19W"
 BASE COUNT 78 a 171 c 149 g 73 t

Query Match 99.0%; Score 308.8; DB 9; Length 471;
 Best Local Similarity 99.4%; Pred. No. 5, Be-39;
 Matches 310; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 ATGAAGCTGCGCGCCCTCTGCTGCGTGGCGCCCTGCTGAGCTCCGCTGCT 60
 |||||||
 DB 22 ATGAAGCTGCGCGCCCTCTGCTGCGTGGCGCCCTGCTGAGCTCCGCTGCT 81
 |||||||
 QY 61 TTCTTAGTGGGCTGCGCCCAAGCTGTGGCCCAAGCTGTGCTGGCTGGAGTGGCGG 120
 |||||||
 DB 82 TTCTTAGTGGGCTGCGCCCAAGCTGTGGCCCAAGCTGTGCTGGCTGGAGTGGCGG 141
 |||||||
 QY 121 GAGCGCGGGCGGGAGCCCTGCGCCCAAGCCCTGCGACCCCTCAACCCGCTGAAGCTCCTG 180
 |||||||
 DB 142 GAGCGCGGGCGGGAGCCCTGCGCCCAAGCCCTGCGACCCCTCAACCCGCTGAAGCTCCTG 201
 |||||||
 QY 181 CTGAGCAGCTGGGCAATCCCGTGAACACCTCATAGAGGCTCCCAAGAGTGTGTGCT 240
 |||||||
 DB 202 CTGAGCAGCTGGGCAATCCCGTGAACACCTCATAGAGGCTCCCAAGAGTGTGTGCT 261
 |||||||
 QY 241 GAGCTGGGTCCCAAGGCGGTGGGGCCGTGAAGGCCCTGAAGGCCCTGTGGGGGCCCTG 300
 |||||||
 DB 262 GAGCTGGGTCCCAAGGCGGTGGGGCCGTGAAGGCCCTGAAGGCCCTGTGGGGGCCCTG 321
 |||||||
 QY 301 ACAGTGTGTGGC 312
 |||||||
 DB 322 ACAGTGTGTGGC 333

RESULT 3
 BC029176

LOCUS BC029176 503 bp mRNA linear PRI 16-MAY-2002
 DEFINITION Homo sapiens, secretoglobin, family 3a, member 1, clone MGC:34758
 IMAGE:5180304, mRNA, complete cds.
 ACCESSION BC029176
 VERSION BC029176.1 GI:20809672
 KEYWORDS MGC.
 SOURCE Homo sapiens (human)
 ORGANISM Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Primates; Catarrhini; Homiidae; Homo.
 REFERENCE 1 (bases 1 to 503)
 AUTHORS Strausberg, R.
 TITLE Direct Submission
 JOURNAL Submitted (01-MAY-2002) National Institutes of Health, Mammalian
 Gene Collection (MGC), Cancer Genomics Office, National Cancer
 Institute, 31 Center Drive, Room 11A03, Bethesda, MD 20892-2590,
 USA
 NIH-MGC Project URL: <http://mgc.nci.nih.gov>
 CONTACT: MGC help desk
 EMAIL: cgabs-remail.nih.gov
 Tissue Procurement: Life Technologies, Inc.
 CDNA Library Preparation: Life Technologies, Inc.
 CDNA Library Arrayed by: The I.M.A.G.E. Consortium (LNL)
 DNA Sequencing by: Baylor College of Medicine Human Genome
 Sequencing Center
 CENTER CODE BCM-HGSC
 WEB SITE: <http://www.hgsc.bcm.tmc.edu/cdna/>
 CONTACT: amg@bcm.tmc.edu
 GUNATANE, P.H., Garcia, A.M., Lu, X., Huiyk, S.W., Hale, S.M.,
 Yoon, V.S., Kotsis, C.R., Lawrence, S., Martin, R.G., Muzny, D.M.,
 Richards, S., Gibbs, R.A.
 Clone distribution: MGC clone distribution information can be found
 through the I.M.A.G.E. Consortium/LNL at: <http://image.lnl.gov>
 Series: IRAX Plate: 50 Row: b Column: 24
 This clone was selected for full length sequencing because it
 passed the following selection criteria: Hexamer frequency ORF
 analysis, Genomescan gene prediction.
 Location/Qualifiers
 1..503
 /organism="Homo sapiens"
 /mol_type="mRNA"
 /db_xref="locusid:92304"
 /db_xref="taxon:9606"
 /clone="MGC:34758 IMAGE:5180304"
 /tissue_type="Brain, Lung, Testis, adult, pooled whole"
 /clone_id="NIR-MGC.115"
 /lab_host="DH10B"
 /note="Vector: pCMV-SPORT6"
 16..330
 /codon_start=1
 /product="secretoglobin, family 3a, member 1"
 /protein_id="AAH29176.1"
 /db_xref="GI:20809673"
 /translation="MKIALLGICVALLSCSSAAFLVGSARFVAPVPALESAAEAGA
 GTLAPDLGTLNPLKILSLISLIGIPVNHLEGSQKCVAEIGPQAVGAVKMLKALATLV
 FG"
 BASE COUNT 116 a 167 c 147 g 73 t
 ORIGIN
 Query Match 99.0%; Score 308.8; DB 9; Length 503;
 Best Local Similarity 99.4%; Pred. No. 5, 5e-39;
 Matches 310; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
 QY 1 ATGAAGCTGCGCCCTCTGCGGCTGCGGCGCTGCGGCGCTGCGGCGCTGCGT 60
 Db 16 ATGAAGCTGCGCCCTCTGCGGCTGCGGCGCTGCGGCGCTGCGGCGCTGCGT 75
 QY 61 TTCTTAGTGGGCTGCGGCGCAAGCTGCGGCGCAAGCTGCGGCGCTGCGGCGG 120
 Db 76 TTCTTAGTGGGCTGCGGCGCAAGCTGCGGCGCAAGCTGCGGCGCTGCGGCGG 135
 QY 121 GAGGCCGGGGCGGAGACCTGCGCAACCCCTCGGACCTCAACCCGCTGAAGCTCTG 180

Db 136 GAGCCCGGGGCGGAGCCCTGCGCAACCCCTCGGACCTCAACCCGCTGAAGCTCTG 195
 QY 181 CTGAGCAGCTTGGGCTATCCCGTGAACACCTCATAGAGGCTGCCAGAGTGTGGCT 240
 Db 196 CTGAGCAGCTTGGGCTATCCCGTGAACACCTCATAGAGGCTGCCAGAGTGTGGCT 255
 QY 241 GAGCTGGGCTCCCGAGGCGCTGGGCGCGTGAAGCCCTGAAGCCCTGCTGGGGCCCTG 300
 Db 256 GAGCTGGGCTCCCGAGGCGCTGGGCGCGTGAAGCCCTGAAGCCCTGCTGGGGCCCTG 315
 QY 301 ACAGTGTGGC 312
 Db 316 ACAGTGTGGC 327
 RESULT 4
 BD082142 519 bp DNA linear PAT 27-AUG-2002
 LOCUS BD082142
 DEFINITION Reagents and methods useful for detecting diseases of the lung.
 ACCESSION BD082142
 VERSION BD082142.1 GI:22627752
 KEYWORDS JP 2001322225-A/6.
 SOURCE Zea mays
 ORGANISM Zea mays
 Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
 Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae; PACCAD
 clade; Panicoideae; Andropogoneae; Zea.
 1 (bases 1 to 519)
 Medel, P.A.B., Cohen, M., Colpitts, T.L., Friedman, P.N., Gordon, J.,
 Granados, E.N., Hodges, S.C., Klass, M.R., Kratochvil, J.D., Rapp, L.R.,
 Russell, J.C., and Stroppe, S.D.
 Reagents and methods useful for detecting diseases of the lung
 Patent: JP 2001522225-A 6 13-NOV-2001;
 ABBOTT LABORATORIES
 PN JP 2001522225-A/6
 PD 13-NOV-2001
 PF 30-JAN-1998 JP 1998533078
 PR 31-JAN-1997 US 08/791710
 PI PATRICIA A BILLING MEDEL, MAURICE COHEN, TRACEY L COLPITTS, PAULA
 N FRIEDMAN,
 JULIAN GORDON, EDWARD N GRANADOS, STEVEN C HODGES, MICHAEL R PI
 KLAS,
 JON D KRATOCHVIL, LISA ROBERTS RAPP, JOHN C RUSSELL, STEPHEN D
 STROPE,
 C12N15/63, C12N5/10, C1201/68, C07K14/47//C07K16/30, G01N33/574 CC
 Strandedness: Single;
 CC Topology: Linear;
 FH Key Location/Qualifiers.
 FEATURES
 source
 1..519
 /organism="Zea mays"
 /mol_type="genomic DNA"
 /db_xref="taxon:4577"
 BASE COUNT 78 a 190 c 170 g 81 t
 ORIGIN
 Query Match 99.0%; Score 308.8; DB 6; Length 519;
 Best Local Similarity 99.4%; Pred. No. 5, 5e-39;
 Matches 310; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
 QY 1 ATGAAGCTGCGCCCTCTGCGGCTGCGGCGCTGCGGCGCTGCGGCGCTGCGT 60
 Db 79 ATGAAGCTGCGCCCTCTGCGGCTGCGGCGCTGCGGCGCTGCGGCGCTGCGT 138
 QY 61 TTCTTAGTGGGCTGCGGCGCAAGCTGCGGCGCAAGCTGCGGCGCTGCGGCGG 120
 Db 139 TTCTTAGTGGGCTGCGGCGCAAGCTGCGGCGCAAGCTGCGGCGCTGCGGCGG 198
 QY 121 GAGGCCGGGGCGGAGACCTGCGCAACCCCTCGGACCTCAACCCGCTGAAGCTCTG 180
 Db 199 GAGCCCGGGGCGGAGACCTGCGCAACCCCTCGGACCTCAACCCGCTGAAGCTCTG 258

QY 181 CTGAGCAGCGCTGGGCGATCCCGCTGAACACCTCATAGAGGCGCTCCAGAGCTGTGCT 240
DB 259 CTGAGCAGCGCTGGGCGATCCCGCTGAACACCTCATAGAGGCGCTCCAGAGCTGTGCT 318
QY 241 GAGCTGGGTCGCCAGGCGCTGGGCGCTGAAGGCGCTGAGGCGCTCTCTGGGCGCTG 300
DB 319 GAGCTGGGTCGCCAGGCGCTGGGCGCTGAAGGCGCTGAGGCGCTCTCTGGGCGCTG 378
QY 301 ACAGTGTGGC 312
DB 379 ACAGTGTGGC 390

RESULT 5
LOCUS BD082141 562 bp DNA linear PAT 27-AUG-2002
DEFINITION Reagents and methods useful for detecting diseases of the lung.
ACCESSION BD082141
VERSION BD082141.1 GI:22627751
KEYWORDS JP 2001522225-A/5.
SOURCE Zea mays
ORGANISM Zea mays
Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae; PACCAD
1 (bases 1 to 562)
Medel,P.A.B., Cohen,M., Colpitts,T.L., Friedman,P.N., Gordon,J.,
Granados,E.N., Hodges,S.C., Klass,M.R., Kratochvil,J.D., Rapp,L.R.,
Russell,J.C. and Stroupe,S.D.
Reagents and methods useful for detecting diseases of the lung
Patent: JP 2001522225-A 5 13-NOV-2001;
ABSTRACT LABORATORIES
PN JP 2001522225-A/5
PD 13-NOV-2001
PF 30-JAN-1998 JP 1998533078
PR 31-JAN-1997 US 08/791710
PI PATRICIA A BILLING MEDEL, MAURICE COHEN, TRACEY L COLPITTS, PAULA
PI N FRIEDMAN,
PI JULIAN GORDON, EDWARD N GRANADOS, STEVEN C HODGES, MICHAEL R PI
PI KLAS,
PI JON D KRATOCHVIL, LISA ROBERTS RAPP, JOHN C RUSSELL, STEPHEN D
PI STROUBE,
PC C12N15/63, C12N5/10, C12Q1/68, C07K14/47//C07K16/30, G01N33/574 CC
Strandedness: Single;
CC Topology: Linear;
FH Key location/Qualifiers.
FEATURES
source location/Qualifiers
1..562
/mol_type="genomic DNA"
/db_xref="taxon:4577"

BASE COUNT 82 a 200 c 192 g 86 t 2 others

Query Match 99.0%; Score 308.8; DB 6; Length 562;
Best Local Similarity 99.4%; Pred. No. 5.4e-39;
Matches 310; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 ATGAAGCTCGCGCCCTCTGGGCTGTGCTGAGGCGCTGTGCTGAGCTCGCTGCT 60
DB 122 ATGAAGCTCGCGCCCTCTGGGCTGTGCTGAGGCGCTGTGCTGAGCTCGCTGCT 181
QY 61 TTCTTAGTGGGCTCGGCAAGCTGTGCGCCAGCTGTGCTGCGTGGAGTGGCGGCG 120
DB 182 TTCTTAGTGGGCTCGGCAAGCTGTGCGCCAGCTGTGCTGCGTGGAGTGGCGGCG 241
QY 121 GAGGCGGGGCGCGGACCTGTGCGCAACCCCTGTGCGCAACCCCTGTGCGCAACCTGTG 180
DB 242 GAGGCGGGGCGCGGACCTGTGCGCAACCCCTGTGCGCAACCCCTGTGCGCAACCTGTG 301
QY 181 CTGAGCAGCGCTGGGCGATCCCGCTGAACACCTCATAGAGGCGCTCCAGAGCTGTGCT 240

DB 302 CTGAGCAGCGCTGGGCGATCCCGCTGAACACCTCATAGAGGCGCTCCAGAGCTGTGCT 361
QY 241 GAGCTGGGTCGCCAGGCGCTGGGCGCTGAAGGCGCTGAGGCGCTCTCTGGGCGCTG 300
DB 362 GAGCTGGGTCGCCAGGCGCTGGGCGCTGAAGGCGCTGAGGCGCTCTCTGGGCGCTG 421
QY 301 ACAGTGTGGC 312
DB 422 ACAGTGTGGC 433

RESULT 6
LOCUS AX201348 569 bp DNA linear PAT 30-AUG-2001
DEFINITION Sequence 27 from Patent WO0153486.
ACCESSION AX201348
VERSION AX201348.1 GI:15391167
KEYWORDS Homo sapiens (human)
SOURCE Homo sapiens
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.
REFERENCE
AUTHORS Ashkenazi,A.V., Goddard,A., Godowski,P.J., Gurney,A.L.,
Hillan,K.J., Marsters,S.A., Pan,J., Pitti,R.M., Roy,M.A., Smith,V.,
Stone,D.M., Watanabe,C.K. and Wood,W.I.
Compositions and methods for the treatment of tumour
Patent: WO 0153486-A 27 26-JUL-2001;
Genentech, Inc. (US)
FEATURES
source location/Qualifiers
1..569
/organism="Homo sapiens"
/mol_type="genomic DNA"
/db_xref="taxon:9606"

BASE COUNT 128 a 190 c 170 g 81 t

Query Match 99.0%; Score 308.8; DB 6; Length 569;
Best Local Similarity 99.4%; Pred. No. 5.4e-39;
Matches 310; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 ATGAAGCTCGCGCCCTCTGGGCTGTGCTGAGGCGCTGTGCTGAGCTCGCTGCT 60
DB 79 ATGAAGCTCGCGCCCTCTGGGCTGTGCTGAGGCGCTGTGCTGAGCTCGCTGCT 138
QY 61 TTCTTAGTGGGCTCGGCAAGCTGTGCGCCAGCTGTGCTGCGTGGAGTGGCGGCG 120
DB 139 TTCTTAGTGGGCTCGGCAAGCTGTGCGCCAGCTGTGCTGCGTGGAGTGGCGGCG 198
QY 121 GAGGCGGGGCGGGGACCTGTGCGCAACCCCTGTGCGCAACCCCTGTGCGCAACCCCTGTG 180
DB 199 GAGGCGGGGCGGGGACCTGTGCGCAACCCCTGTGCGCAACCCCTGTGCGCAACCCCTGTG 258
QY 181 CTGAGCAGCGCTGGGCGATCCCGCTGAACACCTCATAGAGGCGCTCCAGAGCTGTGCT 240
DB 259 CTGAGCAGCGCTGGGCGATCCCGCTGAACACCTCATAGAGGCGCTCCAGAGCTGTGCT 318
QY 241 GAGCTGGGTCGCCAGGCGCTGGGCGCTGAAGGCGCTGAGGCGCTCTCTGGGCGCTG 300
DB 319 GAGCTGGGTCGCCAGGCGCTGGGCGCTGAAGGCGCTGAGGCGCTCTCTGGGCGCTG 378
QY 301 ACAGTGTGGC 312
DB 379 ACAGTGTGGC 390

RESULT 7
LOCUS AR252648 570 bp DNA linear PAT 20-DEC-2002
DEFINITION Sequence 407 from patent US 6478825.
ACCESSION AR252648
VERSION AR252648.1 GI:27300556

```

KEYWORDS      Unknown.
SOURCE         ORGANISM
REFERENCE      1 (bases 1 to 570)
AUTHORS       Winterbottom, J.M., Shimp, L., Boyce, T.M., and Kaes, D.
TITLE         Implant, method of making same and use of the implant for the
              treatment of bone defects
JOURNAL       Patent: US 6478825-A 407 12-NOV-2002;
              Location/Qualifiers
FEATURES      source          1..570
              /organism="unknown"
BASE COUNT    129 a          190 c          170 g          81 t
ORIGIN
Query Match   99.0%; Score 308.8; DB 6; Length 570;
Best Local Similarity 99.4%; Pred. No. 5.4e-39; Indels 0; Gaps 0;
Matches 310; Conservative 0; Mismatches 2;

OY 1 ATGAAGCTGCGCGCCCTCCTGAGGCTCTGCGTGGCCCTGTCTGACGCTCCGCTGCT 60
    |||||
DB 79 ATGAAGCTGCGCGCCCTCCTGAGGCTCTGCGTGGCCCTGTCTGACGCTCCGCTGCT 138
    |||||
OY 61 TTCTTAGTGGGCTCGGCCCAAGCCTGTGGCCAGCCTGTGCGTGGAGTGGGGCG 120
    |||||
DB 139 TTCTTAGTGGGCTCGGCCCAAGCCTGTGGCCAGCCTGTGCGTGGAGTGGGGCG 198
    |||||
OY 121 GAGGCGCGGGCGCGGACCCCTGCGCAACCCCTGCGACCTGCAACCCGCTGAAGCTCTG 180
    |||||
DB 199 GAGGCGCGGGCGCGGACCCCTGCGCAACCCCTGCGACCTGCAACCCGCTGAAGCTCTG 258
    |||||
OY 181 CTGAGCAGCTGGGATCCCGCTGGAACCACTCATAGAGGCTCCAGAGTGTGGCT 240
    |||||
DB 259 CTGAGCAGCTGGGATCCCGCTGGAACCACTCATAGAGGCTCCAGAGTGTGGCT 318
    |||||
OY 241 GAGCTGGGTCCCGCAGGCGCTGGGGCGGTGAAGGCGCTGAGGCGCGCTG 300
    |||||
DB 319 GAGCTGGGTCCCGCAGGCGCTGGGGCGGTGAAGGCGCTGAGGCGCGCTG 378
    |||||
OY 301 ACAAGTGTGGC 312
    |||||
DB 379 ACAAGTGTGGC 390

RESULT 8
AX403520 570 bp DNA linear PAT 14-JUN-2002
LOCUS      AX403520 407 from Patent WO0073454.
DEFINITION Sequence
ACCESSION  AX403520
VERSION     AX403520.1 GI:21437002
KEYWORDS
SOURCE      ORGANISM
            Homo sapiens (human)
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.
REFERENCE   1
AUTHORS     Ashkenazi, A.J., Baker, K.P., Botstein, D., Desnoyers, L., Eaton, D.,
            Ferrara, N., Gerber, H., Gerritsen, M., Goddard, A., Godowski, P.,
            Grimaldi, C.J., Gurney, A.L., Kijavita, I., Napier, M.A., Pan, J.,
            Paoni, N.F., Roy, M., Stewart, T.A., Tumas, D., Watanabe, C.K.,
            Williams, P., Wood, W.I., and Zhang, Z.
TITLE       Secreted and transmembrane polypeptides and nucleic acids encoding
            the same
JOURNAL     Patent: WO 0073454-A 407 07-DEC-2000;
            Location/Qualifiers
FEATURES    source          1..570
            /organism="Homo sapiens"
            /mol_type="genomic DNA"
            /db_xref="taxon:9606"
BASE COUNT  129 a          190 c          170 g          81 t
ORIGIN
Query Match   99.0%; Score 308.8; DB 6; Length 570;
Best Local Similarity 99.4%; Pred. No. 5.4e-39; Indels 0; Gaps 0;
Matches 310; Conservative 0; Mismatches 2;

OY 1 ATGAAGCTGCGCGCCCTCCTGAGGCTCTGCGTGGCCCTGTCTGACGCTCCGCTGCT 60
    |||||
DB 79 ATGAAGCTGCGCGCCCTCCTGAGGCTCTGCGTGGCCCTGTCTGACGCTCCGCTGCT 138
    |||||
OY 61 TTCTTAGTGGGCTCGGCCCAAGCCTGTGGCCAGCCTGTGCGTGGAGTGGGGCG 120
    |||||
DB 139 TTCTTAGTGGGCTCGGCCCAAGCCTGTGGCCAGCCTGTGCGTGGAGTGGGGCG 198
    |||||
OY 121 GAGGCGCGGGCGCGGACCCCTGCGCAACCCCTGCGACCTGCAACCCGCTGAAGCTCTG 180
    |||||
DB 199 GAGGCGCGGGCGCGGACCCCTGCGCAACCCCTGCGACCTGCAACCCGCTGAAGCTCTG 258
    |||||
OY 181 CTGAGCAGCTGGGATCCCGCTGGAACCACTCATAGAGGCTCCAGAGTGTGGCT 240
    |||||
DB 259 CTGAGCAGCTGGGATCCCGCTGGAACCACTCATAGAGGCTCCAGAGTGTGGCT 318
    |||||
OY 241 GAGCTGGGTCCCGCAGGCGCTGGGGCGGTGAAGGCGCTGAGGCGCGCTG 300
    |||||
DB 319 GAGCTGGGTCCCGCAGGCGCTGGGGCGGTGAAGGCGCTGAGGCGCGCTG 378
    |||||
OY 301 ACAAGTGTGGC 312
    |||||
DB 379 ACAAGTGTGGC 390

RESULT 9
AF313458 347 bp mRNA linear PRI 19-NOV-2002
LOCUS      AF313458
DEFINITION Homo sapiens UGRP2 mRNA, complete cds.
ACCESSION  AF313458
VERSION     AF313458.1 GI:16565421
KEYWORDS
SOURCE      ORGANISM
            Homo sapiens (human)
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.
REFERENCE   1 (bases 1 to 347)
AUTHORS     Niimi, T., Keck-Waggoner, C.L., Popescu, N.C., Zhou, Y., Levitt, R.C.,
            and Kimura, S.
TITLE       UGRP1, a uteroglobin/Clara cell secretory protein-related protein,
            is a novel lung-enriched downstream target gene for the
            T/EBP/NKX2.1 homeodomain transcription factor
            Mol. Endocrinol. 15 (11), 2021-2036 (2001)
JOURNAL     Mol. Endocrinol. 15 (11), 2021-2036 (2001)
PUBMED     11682631
MEDLINE    11682631
REFERENCE   2 (bases 1 to 347)
AUTHORS     Niimi, T., Copeland, N.G., Gilbert, D.J., Jenkins, N.A., Srisodasai, A.,
            Zimonjic, D.B., Keck-Waggoner, C.L., Popescu, N.C., and Kimura, S.
TITLE       Cloning, expression, and chromosomal localization of the mouse gene
            (Scgb3a1, alias Ugrp2) that encodes a member of the novel
            uteroglobin-related protein gene family
            J. Biol. Chem. 275 (12), 3473-3479 (2000)
JOURNAL     J. Biol. Chem. 275 (12), 3473-3479 (2000)
PUBMED     10438750
MEDLINE    10438750
REFERENCE   3 (bases 1 to 347)
AUTHORS     Niimi, T., and Kimura, S.
TITLE       Direct Submission
            Submitted (16-OCT-2000) Laboratory of Metabolism, National Cancer
            Institute, NIH, 9000 Rockville Pike, Bethesda, MD 20892, USA
            Location/Qualifiers
FEATURES    source          1..347
            /organism="Homo sapiens"
            /mol_type="mRNA"
            /db_xref="taxon:9606"
            /codon_start=1
            /product="UGRP2"
            /protein_id="AA126217.1"
            /db_xref="GI:16565422"
            /translation="MKIALALGLICVALSCSSAAAFIVGSAKPAVPAVALESAEAGA"

```

us-10-081-817a-3.rge

Page 6

BASE COUNT	45 a	124 c	118 g	60 t
ORIGIN				

[illegible]

11 ATGAAGCTGGCCGCCCTCTGGGCTCTGGCGTGGCCCTGTCCCTGCAGCTCCGCTGTGCT 70

[illegible]

181 CTGAGCAGCCCTGGGCATCCCCGTGAACCACTCATAGAGGGCTCCCGAAGTGTGGCT 240

Db
251 GAGCTGGGTCACAGGCGCTGGGCGCCCTG 300

LOCUS	AC108083	130129 bp	DNA	linear	HTG 25-JAN-2003
DEFINITION	Home 25-01-2003				

EYWORDS HTG; HTGS_PHASE1; HTGS_DRAFT; HTGS_ACTIVEFIN.
SOURCE NCBI

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

2 (bases 1 to 130129)

Genome Institute, 2800 Mitchell Drive, Walnut Creek, CA 94598, USA
-----Genome Center

Project Information

Summary Statistics

Estimated insert size: 129829;	sum-of-contigs estimation
Quality coverage: 7 66 10 030	500000 bp estimation

* be preserved.
* 1 4320: contid of 4320 hr in length

Accession	Contig	bp in length
25015	contig of 24790	bp in length
48603	gap of unknown length	
48702	gap of unknown length	

```

/organism="Homo sapiens"
/mol_type="protein"

```

```

/clone="CTD-2013L15"

```

0; index

AGTCGGCGGGAAGCCCGGGCCCGGACCCCTGCGCCCAACCCCTCGGCAACCTTCAACCCCN 160

TGTAAGCCTCCCGGTGAACCACTCATAGAGGGCTCCAGA 229

AGTGTGTGGCTGAGCTGGGTCCCCAGGCCGTGGGGGGCCGTGAAGGCCCTGAAGGCCCTGC 289

TGG 292

	166777 bp	DNA	linear	HTG 07-MAR-2002
chromosome 5 clone RP11-586f19.			WORKING	DATE SEQUENCED
sapiens				
omo				
-100613				

omo sapiens (human) HMO_SOLIVER.IN.

(bases 1 to 166777)
E Joint Genome Institute.

Direct Submission

Joint Genome Institute,

misc_feature	/note="RPCI-II Human Male BAC 1.1389
misc_feature	/note="assembly-fragment" 1490.3130
misc_feature	/note="assembly-fragment" 3231.4942

QY	50	CCGCTCGTGGCTTTTGTAGTGGGCTCGGCCAAGCTGTGGCCCAAGCTGTGCTGCGCTGG	109
Db	144047	CAGCTGCTGCTTTTGTAGTGGCTCGGCCAAGCTGTGGCCCAAGCTGTGCTGCTGCGCTGG	143986
QY	110	AGTGGGGGGCGGAGCGCGGGGCGGGAAACCTGTGGCAACCCCTGGGACCTCAACCCGC	169
Db	143987	AGTGGGGGGCGGAGCGCGGGGCGGGAAACCTGTGGCAACCCCTGGGACCTCAACCCGC	143928
QY	170	TGAAGCTCTCTGCTGAGCAGAGCTTGCGATCCCGGTAAACACCTATAGAGGGCTCCAGA	229
Db	143927	TGAAGCTCTCTGCTGAGCAGAGCTTGCGATCCCGGTAAACACCTATAGAGGGCTCCAGA	143868
QY	230	AGTGTGGGCTAGCTGAGCTTCCCAACCTCCCGGCTCCCGGCTCCCGA	143868

Db 143867 AGTGTGCTGAGCTGGTCCCAAGCCGCTGGGGCCGTGAAGCCCTGAAGCCCTGC 143808
QY 290 TGG 292
Db 143807 TGG 143805

RESULT 13
AC122714/c 190024 bp DNA linear PRI 04-MAR-2003
LOCUS Homo sapiens chromosome 5 clone RP11-451H23, complete sequence.
DEFINITION AC122714
ACCESSION AC122714.2 GI:28827858
VERSION HTG
KEYWORDS Homo sapiens (human)
SOURCE Homo sapiens
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE 1 (bases 1 to 190024)
AUTHORS DOE Joint Genome Institute and Stanford Human Genome Center.
TITLE Direct Submission
JOURNAL Unpublished
REFERENCE 2 (bases 1 to 190024)
AUTHORS DOE Joint Genome Institute.
TITLE Direct Submission
JOURNAL Submitted (25-MAY-2002) Production Sequencing Facility, DOE Joint
Genome Institute, 2800 Mitchell Drive, Walnut Creek, CA 94598, USA
3 (bases 1 to 190024)
AUTHORS DOE Joint Genome Institute and Stanford Human Genome Center.
TITLE Direct Submission
JOURNAL Submitted (04-MAR-2003) DOE Joint Genome Institute, 2800 Mitchell
Drive, Walnut Creek, CA 94598, USA
On Mar 4, 2003 this sequence version replaced gi:21206277.
Draft Sequence Produced by DOE Joint Genome Institute
www.jgi.doe.gov
Finishing Completed at Stanford Human Genome Center
www.shgc.stanford.edu
Quality: Phrap Quality >=40.99.8% of Sequence;
Estimated total Number of Errors is 0.9
NOTE: Shatter libraries failed to verify the dinucleotide repeat
region 124370-125308. Unsure number of repeat copies
124370-125308. Forced join 124996.
Location/Qualifiers
1.190024
/organism="Homo sapiens"
/mol_type="genomic DNA"
/db_xref="taxon:9606"
/chromosome="5"
/clone="RP11-451H23"
124370..125308
misc_feature
/note="NOTE: Shatter libraries failed to verify the
dinucleotide repeat region 124370-125308. Unsure number
of repeat copies 124370-125308. Forced join 124996."
BASE COUNT 45607 a 46028 c 46121 g 52268 t
ORIGIN

Query Match 76.3%; Score 238.2; DB 9; Length 190024;
Best Local Similarity 98.8%; Pred. No. 1.7e-28;
Matches 240; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 50 CCGCTGCTCTTCTTATGAGGCTGCGGCAAGCCTGTGGCCAGCCTGCGTGGCGCTGG 109
| | | | |
Db 80316 CAGCTGCTCTTCTTATGAGGCTGCGGCAAGCCTGTGGCCAGCCTGCGTGGCGCTGG 80257
| | | | |
QY 110 AGTCGGGGCGAGAGCGGGCGGAGACCTGTGGCAAGCCCTGCGGCAAGCCTGCAACCGCG 169
| | | | |
Db 80256 AGTCGGGGCGAGAGCGGGCGGAGACCTGTGGCAAGCCCTGCGGCAAGCCTGCAACCGCG 80197
| | | | |
QY 170 TGAAGCTCTGCTGAGACAGCTGGGGCATCCCGTGAACCACTCATAGAGGGCTCCGAGA 229
| | | | |
Db 80196 TGAAGCTCTGCTGAGACAGCTGGGGCATCCCGTGAACCACTCATAGAGGGCTCCGAGA 80137
| | | | |
QY 230 AGTGTGCTGAGCTGGTCCCAAGCCGCTGGGGCCGTGAAGCCCTGAAGGCCCTGC 289
| | | | |

Db 80136 AGTGTGCTGAGCTGGTCCCAAGCCGCTGGGGCCGTGAAGCCCTGAAGCCCTGC 80077
QY 290 TGG 292
Db 80076 TGG 80074

RESULT 14
AC022095/c 127488 bp DNA linear HTG 20-APR-2001
LOCUS Homo sapiens chromosome 5 clone CIB-36B8, WORKING DRAFT SEQUENCE.
DEFINITION AC022095
ACCESSION AC022095.5 GI:13699618
VERSION HTG
KEYWORDS HTGS_PHASE1; HTGS_DRAFT; HTGS_ACTIVEFIN.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE 1 (bases 1 to 127488)
AUTHORS DOE Joint Genome Institute.
TITLE Direct Submission
JOURNAL Unpublished
REFERENCE 2 (bases 1 to 127488)
AUTHORS DOE Joint Genome Institute.
TITLE Direct Submission
JOURNAL Submitted (26-JAN-2000) Production Sequencing Facility, DOE Joint
Genome Institute, 2800 Mitchell Drive, Walnut Creek, CA 94598, USA
On Apr 20, 2001 this sequence version replaced gi:7711676.
-----Genome Center
Center: Joint Genome Institute
Center Code: JGI
Web site: http://www.jgi.doe.gov

Project Information
Center Project Name: 78060
Center Clone Name: CIT978SKR_36B8

Summary Statistics
Consensus quality: 110477 bases at least Q40
Consensus quality: 117221 bases at least Q30
Consensus quality: 120225 bases at least Q20
Estimated insert size: 131000; pulse field gel estimation
Estimated insert size: 126288; sun-of-ctrls estimation
Quality coverage: 7.48 in Q20 bases; pulse field gel estimation
Quality coverage: 7.76 in Q20 bases; sun-of-ctrls estimation.
* NOTE: This is a 'working draft' sequence. It currently
* consists of 13 contigs. The true order of the pieces
* is not known and their order in this sequence record is
* arbitrary. Gaps between the contigs are represented as
* runs of N, but the exact sizes of the gaps are unknown.
* This record will be updated with the finished sequence
* as soon as it is available and the accession number will
* be preserved.
1
1116: contig of 1116 bp in length
1117 1216: gap of unknown length
1217 2254: contig of 1038 bp in length
2255 2354: gap of unknown length
2355 3412: contig of 1058 bp in length
3413 3512: gap of unknown length
3513 5105: contig of 1493 bp in length
5106 5105: gap of unknown length
5106 7647: contig of 2542 bp in length
7648 7747: gap of unknown length
7748 10237: gap of 2450 bp in length
10238 10337: gap of unknown length
10338 12440: contig of 2103 bp in length
12441 12540: gap of unknown length
12541 13935: contig of 3395 bp in length
13936 16035: gap of unknown length
16036 24396: contig of 8361 bp in length
24397 24496: gap of unknown length

GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd

OM nucleic - nucleic search, using sw model

Run on: September 19, 2003, 23:17:58 ; Search time 2466.41 Seconds
(with about 314 comments)

9139.272 Million cell updates/sec

Title: US-10-081-817A-19

Sequence: 1 cggccgggagcgccgggggccccgagcccccgcgc 551

Scoring table: IDENTITY_NUC

Gapor 10.0 , Gapext 1.0

Searched: 2888711 seqs, 20454813386 residues

Total number of hits satisfying chosen parameters: 5777422

Maximum DB seq length: 20000000000

Pre-processing	Minimum Match	0%
Post-processing	Minimum Match	0%

Listing first 45 summaries

Database :

```

1:  gb_ba:*
2:  gb_hlg:*
3:  gb_in:*
4:  gb_cm:*
5:  gb_ov:*
6:  gb_pat:*
7:  gb_ph:*
8:  gb_pl:*
9:  gb_pr:*
10: gb_ro:*
11: gb_ses:*
12: gb_sys:*
13: gb_un:*
14: gb_vl:*
15: em_ba:*
16: em_fun:*
17: em_hum:*
18: em_in:*
19: em_mu:*
20: em_cm:*
21: em_or:*
22: em_ov:*
23: em_pat:*
24: em_ph:*
25: em_pl:*
26: em_ro:*
27: em_ses:*
28: em_un:*
29: em_hlg_bum:*
30: em_hlg_hum:*
31: em_hlg_iny:*
32: em_hlg_othr:*
33: em_hlg_mus:*
34: em_hlg_pln:*
35: em_hlg_rtd:*
36: em_hlg_mam:*
37: em_hlg_vtl:*
38: em_sy:*
39: em_hyo_hum:*
40: em_hyo_mus:*
41: em_hyo_othr:*

```

Pred. No. is the number of results predicted by chance to have a

score greater than or equal to the score of the result being printed and is derived by analysis of the total score distribution.

SUMMARIES

Result	Score	Query	Match	Length	DB	ID	Description
C	1	488.6	88.7	127488	2	AC022095	AC022095 Homo sapi
C	2	486	88.2	168347	2	AC025336	AC025336 Homo sapi
C	3	486	88.2	190024	2	AC122714	AC122714 Homo sapi
C	4	478.8	86.2	130129	2	AC108083	AC108083 Homo sapi
C	5	475	86.2	166777	2	AC106813	AC106813 Homo sapi
C	6	475	86.2	166777	2	BD082141	BD082141 Reagents
C	7	117	21.8	562	6	BD082137	BD082137 Reagents
C	8	78	14.2	519	6	BD082142	BD082142 Reagents
C	9	78	14.2	559	6	AX201348	AX201348 Sequence
C	10	78	14.2	570	6	AR252648	AR252648 Sequence
C	11	78	14.2	570	6	AX403520	AX403520 Sequence
C	12	77	14.0	244	6	BD082138	BD082138 Reagents
C	13	74	13.4	125020	2	AF429315	AF429315 Homo sapi
C	14	71	12.9	172650	2	AP005772	AP005772 Homo sapi
C	15	68.2	12.4	1279	11	PM2H122	PM2H122 Oryza sat
C	16	66.8	12.1	219952	2	AC084804	AC084804 Mus muscu
C	17	64.8	11.8	63082	2	AC028653	AC028653 Homo sapi
C	18	64.4	11.7	991	11	PM12H12B	PM12H12B Homo sapi
C	19	63.2	11.5	1007	11	PM3H11G	PM3H11G Homo sapi
C	20	63.2	11.5	167624	2	AC143386	AC143386 Macaca mu
C	21	62.2	11.2	63082	2	AC022663	AC022663 Homo sapi
C	22	61.8	11.2	1052	11	PM2H12B	PM2H12B Homo sapi
C	23	61.8	11.2	101509	2	AC027953	AC027953 Homo sapi
C	24	61.8	11.2	187413	2	AC141871	AC141871 Mus muscu
C	25	61.6	11.2	1965	10	AF411253	AF411253 Mus muscu
C	26	61.6	11.2	65351	2	AC139773	AC139773 Homo sapi
C	27	61.6	11.2	125020	2	AF429915	AF429915 Homo sapi
C	28	61.6	11.2	129506	2	AC136100	AC136100 Rattus no
C	29	61.6	11.2	167077	2	AC091093	AC091093 Papio anu
C	30	61.4	11.1	72645	2	AC112672	AC112672 Mus muscu
C	31	60.8	11.0	211318	2	AC141419	AC141419 Pan trogl
C	32	60.4	11.0	159980	2	AP005743	AP005743 Oryza sat
C	33	59.6	10.8	1065	11	PM2B12B	PM2B12B Penicill
C	34	59.4	10.8	240957	7	AC011407	AC011407 Homo sapi
C	35	59	10.7	1094	11	PM7G11B	PM7G11B Homo sapi
C	36	58.8	10.7	869	11	PM2A12B	PM2A12B Homo sapi
C	37	58.8	10.7	85434	2	AC066610	AC066610 Homo sapi
C	38	58.8	10.6	224777	2	AC138109	AC138109 Mus muscu
C	39	58.6	10.6	2685	9	HDHMBH3	HDHMBH3 Homo sapi
C	40	58.6	10.6	43058	6	AX332810	AX332810 Sequence
C	41	58.6	10.6	43058	6	AX333047	AX333047 Sequence
C	42	58.6	10.6	43058	6	AX411306	AX411306 Sequence
C	43	58.6	10.6	43058	6	HSSG1	Z84721 Human DNA S
C	44	58.6	10.6	200557	9	AC134636	AC134636 Mus muscu
C	45	58.6	10.6	258002	9	AE006462	AE006462 Homo sapi

ALIGNMENTS

RESULT 1	
AC022095/c	
LOCUS	127488 bp DNA linear HTG 20-APR-2001
DEFINITION	Homo sapiens chromosome 5 clone CTB-36B8, WORKING DRAFT SEQUENCE, 13 unordered pieces.
ACCESSION	AC022095
VERSION	AC022095.5 GI:13699618
KEYWORDS	HTG: HTGS.PHASE1; HTGS_DRAFT; HTGS_ACTIVEFIN.
SOURCE	Homo sapiens (human)
ORGANISM	Homo sapiens
REFERENCE	Eukaryota; Metazoa; Chordata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.
AUTHORS	1 (bases 1 to 127488)
TITLE	DOE Joint Genome Institute. Sequencing of Human Chromosome 5

JOURNAL Unpublished
 REFERENCE 2 (bases 1 to 127488)
 AUTHORS DOE Joint Genome Institute.
 TITLE Direct Submission
 JOURNAL Submitted (26-JAN-2003) Production Sequencing Facility, DOE Joint
 Genome Institute, 2800 Mitchell Drive, Walnut Creek, CA 94598, USA
 COMMENT On Apr 20, 2001 this sequence version replaced g1:7711676.
 -----Genome Center
 Center: Joint Genome Institute
 Center Code: JGI
 Web site: http://www.jgi.doe.gov

 Project Information
 Center Project Name: 78060
 Center clone name: CIR978SKB_36B8

Summary Statistics
 Consensus quality: 110477 bases at least Q40
 Consensus quality: 117221 bases at least Q30
 Consensus quality: 120225 bases at least Q20
 Estimated insert size: 131000: pulse-field gel estimation
 Estimated insert size: 126288: sum-of-coverage estimation
 Quality coverage: 7.76 in Q20 bases; pulse-field gel estimation
 Quality coverage: 7.76 in Q20 bases; sum-of-coverage estimation.
 NOTE: This is a 'working draft' sequence. It currently
 * consists of 13 contigs. The true order of the pieces
 * is not known and their order in this sequence record is
 * arbitrary. Gaps between the contigs are represented as
 * runs of N, but the exact sizes of the gaps are unknown.
 * This record will be updated with the finished sequence
 * as soon as it is available and the accession number will
 * be preserved.

```

1 1116: contig of 1116 bp in length
* 1117 1216: gap of unknown length
* 1217 1216: contig of 1038 bp in length
* 2254 1216: gap of unknown length
* 2255 1216: gap of unknown length
* 3412 1216: contig of 1058 bp in length
* 3413 1216: gap of unknown length
* 3513 1216: contig of 1493 bp in length
* 5105 1216: gap of unknown length
* 5106 1216: contig of 2542 bp in length
* 5106 1216: gap of unknown length
* 7648 1216: gap of unknown length
* 7648 1216: contig of 2490 bp in length
* 10238 1216: contig of 2103 bp in length
* 10238 1216: gap of unknown length
* 12441 1216: contig of 3395 bp in length
* 12441 1216: gap of unknown length
* 15936 1216: contig of 8361 bp in length
* 15936 1216: gap of unknown length
* 24397 1216: contig of 14589 bp in length
* 24397 1216: gap of unknown length
* 39086 1216: contig of 21360 bp in length
* 39086 1216: gap of unknown length
* 39186 1216: contig of 18845 bp in length
* 39186 1216: gap of unknown length
* 60546 1216: contig of 18845 bp in length
* 60546 1216: gap of unknown length
* 79491 1216: contig of 18845 bp in length
* 79491 1216: gap of unknown length
* 79591 1216: contig of 47898 bp in length
* 79591 1216: gap of unknown length

```

FEATURES
 source
 1. 127488
 /organism="Homo sapiens"
 /mol_type="genomic DNA"
 /db_xref="taxon:9606"
 /chromosome="5"
 /clone="CPB-36B8"
 /clone_lib="Caltech human BAC library B"
 BASE COUNT 31643 a 32392 c 31616 g 30626 t 1211 others
 ORIGIN

Query Match 88.7%; Score 488.6; DB 2; Length 127488;
 Best Local Similarity 95.8%; Pred. No. 1.4e-72;
 Matches 529; Conservative 0; Mismatches 5; Indels 18; Gaps 2;
 1 CGCGCGGAGGCGCGGAGTGTGAGGCTGATCGTCCCTCGGCGCTCCACCTCCCGAGG 60

```

Db 84291 |||||
CGCGCGGAGGCGCGGAGTGTGAGGCTGATCGTCCCTCGGCGCTCCACCTCCCGAGG 84232
Oy 61 CGCAGAGGCGCGCGCGAGGAGCCCACTGCGCCGACGTTGGACGTTGGATCAGAGG 120
Db 84231 CGCAGAGGCGCGCGCGAGGAGCCCACTGCGCCGACGTTGGACGTTGGATCAGAGG 84172
Oy 121 CAGGAGCAGGAGGAGCAGGAACTGGCGCCCGCCCTGCTGCGCGAGGAGGACT 180
Db 84171 CAGGAGCAGGAGGAGCAGGAACTGGCGCCCGCCCTGCTGCGCGAGGAGGACT 84112
Oy 181 CCTCACCAGGAGGAGGAGTCCCTCCTCAGGCGCCGAGCCTCAGAGGAGGAGGCTC 240
Db 84111 CCTCACCAGGAGGAGGAGTCCCTCCTCAGGCGCCGAGCCTCAGAGGAGGAGGCTC 84069
Oy 241 AGACGCAAGGAGGAGTGGCGCGCGCGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 300
Db 84068 AGACGCAAGGAGGAGTGGCGCGCGCGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 84009
Oy 301 CT-CTCTCAGAGGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 359
Db 84008 CTGCTCTCAGAGGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 83949
Oy 360 GGGGCGAGGCGCTTCCAGAGGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCT 419
Db 83948 GGGGCGAGGCGCTTCCAGAGGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCT 83889
Oy 420 GAGCGAGCGGCGAGGCGCTTCTCAGAGGCGCGCGCGCGCGCGCGCGCGCGCGCGAG 479
Db 83888 GAGCGAGCGGCGAGGCGCTTCTCAGAGGCGCGCGCGCGCGCGCGCGCGCGCGAG 83829
Oy 480 ACCGGGTATTAAGAACCTCTGCGCTTCCGCGCGCGAGCGCGAGGTTCCCGCGCGCG 539
Db 83828 ACCGGGTATTAAGAACCTCTGCGCTTCCGCGCGCGAGCGCGAGGTTCCCGCGCGCG 83769
Oy 540 AGCCCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 551
Db 83768 AGCCCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 83757

RESULT 2
AC025336/c 168347 bp DNA linear HTG 25-MAR-2000
LOCUS Homo sapiens chromosome 5 clone RP11-451H23 map 5, WORKING DRAFT
DEFINITION
ACCESSION AC025336
VERSION AC025336.2 GI:7328761
KEYWORDS HTG; HTGS; PHASE1; HTGS_DRAFT.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Gracilata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominiidae; Homo.
REFERENCE 1 (bases 1 to 168347)
AUTHORS Birren, B., Linton, L., Nusbaum, C. and Lander, E.
TITLE Homo sapiens chromosome 5, clone RP11-451H23
JOURNAL Unpublished
AUTHORS 2 (bases 1 to 168347)
Birren, B., Linton, L., Nusbaum, C., Lander, E., Abraham, H., Allen, N.,
Anderson, S., Baldwin, J., Barna, N., Bastien, V., Beda, F.,
Boguslavsky, L., Boukhalter, B., Brown, A., Burkett, G.,
Campopiano, A., Castle, A., Choquet, Y., Colangelo, M., Collins, S.,
Collins, A., Cooke, P., Dearlano, R., Dewar, K., Diaz, J.S.,
Dodgson, S., Domingo, M., Doyle, M., Fairclough, P., Fitzhugh, W., Gage, D.,
Galagan, J., Gardy, S., Ginde, S., Goyette, M., Graham, L.,
Grand-Plante, N., Grant, G., Hagos, B., Harford, A., Horton, L.,
Howard, J.C., Iliev, I., Johnson, R., Jones, C., Kann, L., Karatas, A.,
Klein, J., Laroque, K., Lamazares, R., Landers, T., Lehotzky, J.,
Levine, R., Lien, C., Liu, G., Locke, R., MacDonald, P., Marquis, N.,
McCarthy, M., McEwan, P., McGurk, A., McKernan, K., McPherson, R.,
Meidinger, J., Meneses, L., Mihova, T., Mirzadeh, C., Mlenga, V., Morrow, J.,
Murphy, T., Naylor, J., Norman, C.H., O'Connor, T., O'Donnell, P.,
O'Neill, D., Oliver, T.M., Oliver, J., Peterson, K., Plette, N.,
Pisani, C., Pollara, V., Raymond, C., Riley, R., Rogov, P., Rotman, D.,

```

TITLE
 JOURNAL
 COMMENT
 Roy, A., Santos, R., Schauer, S., Severly, P., Spencer, B.,
 Stange-Thomann, N., Stojanovic, N., Subramanian, A., Talamas, J.,
 Testa, S., Theodore, D., Tirrell, A., Travers, M., Triggillo, J.,
 Vassiliev, H., Viel, R., Vo, A., Wilson, B., Wu, X., Wyman, D., Ye, W. J.,
 Young, G., Zainoun, D., Zimmer, A. and Zody, M.
 Direct Submission
 Submitted (08-MAR-2000) Whitehead Institute/MIT Center for Genome
 Research, 320 Charles Street, Cambridge, MA 02141, USA
 On Mar 25, 2000 this sequence version replaced g1:7210017.
 All repeats were identified using RepeatMasker:
 Smit, A.F.A. & Green, P. (1996-1997)
 http://ftp.genome.washington.edu/RM/RepeatMasker.html
 Center: Whitehead Institute/ MIT Center for Genome Research
 Center code: MIBR
 Web site: http://www-seq.wi.mit.edu
 Contact: sequence.submissions@genome.wi.mit.edu
 Project Information
 Center project name: 451.H.23
 Center clone name: 16686

-----Summary Statistics-----
 Sequencing vector: M13: M77815: 100% of reads
 Chemistry: Dye-terminator Big Dye: 100% of reads
 Assembly program: Phrap: version 0.960731
 Consensus quality: 150422 bases at least Q40
 Consensus quality: 159524 bases at least Q30
 Consensus quality: 163013 bases at least Q20
 Insert size: 165247, sum-of-contigs
 Quality coverage: 3.6 in Q20 bases; sum-of-contigs

 NOTE: This is a 'working draft' sequence. It currently
 consists of 32 contigs. The true order of the pieces is
 is not known and their order in this sequence record is
 arbitrary. Gaps between the contigs are represented as
 runs of N, but the exact sizes of the gaps are unknown.
 This record will be updated with the finished sequence.
 * as soon as it is available and the accession number will
 be preserved.

1
 1390 1389: contig of 1389 bp in length
 1490 1489: gap of 100 bp
 3130 3130: contig of 1641 bp in length
 3230 3230: gap of 100 bp
 3231 4942: contig of 1712 bp in length
 4943 5042: gap of 100 bp
 5043 6981: contig of 1939 bp in length
 6982 7081: gap of 100 bp
 7082 8708: contig of 1627 bp in length
 8709 8808: gap of 100 bp
 8809 10286: contig of 1478 bp in length
 10287 10386: gap of 100 bp
 10387 12212: contig of 1826 bp in length
 12213 12312: gap of 100 bp
 12313 14658: contig of 2346 bp in length
 14659 14758: gap of 100 bp
 14759 17941: contig of 3183 bp in length
 17942 18041: gap of 100 bp
 18042 21297: contig of 3256 bp in length
 21298 21397: gap of 100 bp
 21398 21992: contig of 3595 bp in length
 21993 24932: gap of 100 bp
 24933 27668: contig of 2676 bp in length
 27669 27868: gap of 100 bp
 27869 31188: contig of 3320 bp in length
 31189 31288: gap of 100 bp
 31289 33714: contig of 2426 bp in length
 33715 33814: gap of 100 bp
 33815 37277: contig of 3463 bp in length
 37278 37377: gap of 100 bp
 37378 42302: contig of 4925 bp in length
 42303 42402: gap of 100 bp
 42403 47816: contig of 5414 bp in length
 47817 47916: gap of 100 bp
 47917 52586: contig of 4670 bp in length

FEATURES

source
 52587 52686: gap of 100 bp
 52687 56567: contig of 3881 bp in length
 56568 56667: gap of 100 bp
 56668 61557: contig of 4890 bp in length
 61558 61657: gap of 100 bp
 61658 66724: contig of 5067 bp in length
 66725 66824: gap of 100 bp
 66825 71568: contig of 4744 bp in length
 71569 71658: gap of 100 bp
 71659 76578: contig of 4910 bp in length
 76579 83412: gap of 100 bp
 83413 83412: contig of 6634 bp in length
 83413 90053: gap of 100 bp
 90054 90153: contig of 6641 bp in length
 90154 99426: gap of 100 bp
 99427 99526: contig of 9273 bp in length
 99527 108015: gap of 100 bp
 108016 108115: contig of 8489 bp in length
 108116 108115: gap of 100 bp
 118115 118144: contig of 10029 bp in length
 118145 118245: gap of 100 bp
 130469 130568: contig of 12224 bp in length
 130569 142238: gap of 100 bp
 142239 142338: contig of 11671 bp in length
 142340 157135: gap of 100 bp
 157136 157235: contig of 14796 bp in length
 157236 168347: contig of 11112 bp in length.
 Location/Qualifiers
 1. 168347
 /organism="Homo sapiens"
 /mol_type="genomic DNA"
 /db_xref="taxon:9606"
 /chromosome="5"
 /map="5"
 /clone="RP11-451H23"
 1. 1389
 /clone_1fb="RPC1-11 Human Male BAC"
 /note="assembly-fragment"
 1490. 3130
 /note="assembly-fragment"
 3231. 4942
 /note="assembly-fragment"
 5043. 6981
 /note="assembly-fragment"
 7082. 8708
 /note="assembly-fragment"
 8809. 10286
 /note="assembly-fragment"
 10387. 12212
 /note="assembly-fragment"
 12313. 14658
 /note="assembly-fragment"
 14759. 17941
 /note="assembly-fragment"
 18042. 21297
 /note="assembly-fragment"
 21398. 24932
 /note="assembly-fragment"
 25093. 27768
 /note="assembly-fragment"
 27869. 31188
 /note="assembly-fragment"
 31289. 33714
 /note="assembly-fragment"
 33815. 37277
 /note="assembly-fragment"
 37378. 42302
 /note="assembly-fragment"
 42403. 47816
 /note="assembly-fragment"
 47917. 52586
 /note="assembly-fragment"


```

OY      360  GGGGACAGGGCTTTCCAGAGGCGCCGCGCAGAGAAAGTTGCCACAGGCGCGCT 419
          |||||||
Db      81129 GGGGACAGGGCTTTCCAGAGGCGCCGCGCAGAGAAAGTTGCCACAGGCGCGCT 81070
          |||||||
OY      420  GAGCGAGAGGCGGAGGCGCTTTCTCAAGAGACGCGGCGAGCGCGCTGGAGAGGCGGAGG 479
          |||||||
Db      81069 GAGCGAGAGGCGGAGGCGCTTTCTCAAGAGACGCGGCGAGCGCGCTGGAGAGGCGGAGG 81010
          |||||||
OY      480  ACCGGGTATAGAAAGCCTCTGCGCCGCGGAGCGCGAGGTTCCCGCGCGCGCG 539
          |||||||
Db      81009 ACCGGGTATAGAAAGCCTCTGCGCCGCGGAGCGCGAGGTTCCCGCGCGCGCG 80950
          |||||||
OY      540  AGCCCCCGCGCC 551
          |||||||
Db      80949 AGCCCCCGCGCC 80938
          |||||||

RESULT 4
AC108083/c 130129 bp DNA linear HTG 25-JAN-2002
LOCUS      Homo sapiens chromosome 5 clone CTD-2013L15, WORKING DRAFT
DEFINITION
ACCESSION  AC108083.1 GI:18369929
KEYWORDS   HTG; HTGS_PHASE1; HTGS_DRAFT; HTGS_ACTIVEFIN.
SOURCE     Homo sapiens (human)
ORGANISM   Homo sapiens
REFERENCE  Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
AUTHORS    Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.
TITLE      DOE Joint Genome Institute.
JOURNAL    Sequencing of Human Chromosome 5
REFERENCE  2 (bases 1 to 130129)
AUTHORS    Unpublished
TITLE      DOE Joint Genome Institute.
JOURNAL    Direct Submission.
REFERENCE  Submitted (25-JAN-2002) Production Sequencing Facility, DOE Joint
JOURNAL    Genome Institute, 2800 Mitchell Drive, Walnut Creek, CA 94598, USA
COMMENT    -----Genome Center
          Center: Joint Genome Institute
          Center Code: JGI
          Web site: http://www.jgi.doe.gov
          -----
          Project Information
          Center Project Name: 632820
          Center clone name: CITB-H1_2013L15
          -----
          Summary Statistics
          Consensus quality: 124488 bases at least Q40
          Consensus quality: 128031 bases at least Q30
          Consensus quality: 128842 bases at least Q20
          Estimated insert size: 135000; agarose-fp estimation
          Estimated insert size: 129829; sum-of-contigs estimation
          Quality coverage: 7.66 in Q20 bases; agarose-fp estimation
          Quality coverage: 7.97 in Q20 bases; sum-of-contigs estimation.
          NOTE: This is a 'working draft' sequence. It currently
          * consists of 4 contigs. The true order of the pieces
          * is not known and their order in this sequence record is
          * arbitrary. Gaps between the contigs are represented as
          * runs of N, but the exact sizes of the gaps are unknown.
          * This record will be updated with the finished sequence
          * as soon as it is available and the accession number will
          * be preserved.
          1 4320: contig of 4320 bp in length
          * 4321 4420: gap of unknown length
          * 4421 23712: contig of 13292 bp in length
          * 23713 23812: gap of unknown length
          * 23813 48602: contig of 24790 bp in length
          * 48603 48702: gap of unknown length
          * 48703 130129: contig of 81427 bp in length.
          Location/Qualifiers
          1. 130129
          /organism="Homo sapiens"

BASE COUNT  35337 a 32397 c 30949 g 31146 t 300 others
ORIGIN
Query Match      86.9%; Score 478.8; DB 2; Length 130129;
Best Local Similarity 95.3%; Pred. No. 6.1e-71; Indels 19; Gaps 2;
Matches 522; Conservative 0; Mismatches 7;
          /mol_type="genomic DNA"
          /db_xref="taxon:9606"
          /chromosome="5"
          /clone="CTD-2013L15"
          /clone_lib="Caltech human BAC library D"
          /clone_id="Caltech human BAC library D"

OY      1  CGGCGGGGAGAGGCGCGCGGAGGAGTGAAGCCGATGCTGCTGCGCCCTCCACCTCCCAAG 60
          |||||||
Db      24569 CGGCGGGGAGAGGCGCGCGGAGGAGTGAAGCCGATGCTGCTGCGCCCTCCACCTCCCAAG 24510
          |||||||
OY      61  CGCAGAGAGGCGCGCCAGCAGAGACCGCCAGTGCAGGCTTGCCACAGGCTTGAGATCAGAG 120
          |||||||
Db      24509 CGCAGAGAGGCGCGCCAGCAGAGACCGCCAGTGCAGGCTTGCCACAGGCTTGAGATCAGAG 24450
          |||||||
OY      121  CAGGAGCAGAGGAGACCAAGAACTGCGCGCCCGCCCGCCCGCCCTGCGCGCGAGAGAGCT 180
          |||||||
Db      24449 CAGGAGCAGAGGAGACCAAGAACTGCGCGCCCGCCCGCCCGCCCTGCGCGCGAGAGAGCT 24390
          |||||||
OY      181  CCTCACCCNGAGGAGAGCTCCCTCACCAGCCGCGCCAGCCGCTGCAAGGGGGGCGCTGGGCTC 240
          |||||||
Db      24389 C-----CCCTCACCCGCGCCAGCCGCTGCAAGGGGGGCGCTGGGCTC 24348
          |||||||
OY      241  AGACCGCAAGCGAAGGTGCGCGCGCGGCGGTGGGCTGCGCGAGACAAAGGCGGGGCTGC 300
          |||||||
Db      24347 AGACCGCAAGCGAAGGTGCGCGCGCGGCGGTGGGCTGCGCGAGACAAAGGCGGGGCTGC 24288
          |||||||
OY      301  CT-CTCTCAGAGAGGCGCGCCAGCGCTGCCAAGAGAACTCTCGAGGCGCGCGAGGAGAG 359
          |||||||
Db      24287 CTCTCTCAGAGAGGCGCGCCAGCGCTGCCAAGAGAACTCTCGAGGCGCGCGAGGAGAG 24228
          |||||||
OY      360  GGGGACAGGGCTTTCCAGAGGCGCCGCGCGCAGCAGAGAAAGTTGCCACAGGCGCGCT 419
          |||||||
Db      24227 GGGGACAGGGCTTTCCAGAGGCGCCGCGCGCAGCAGAGAAAGTTGCCACAGGCGCGCT 24168
          |||||||
OY      420  GAGCGAGAGGCGGAGGCGCTTTCTCAAGAGACGCGGCGAGCGCGCTGGAGAGGCGGAGG 479
          |||||||
Db      24167 GAGCGAGAGGCGGAGGCGCTTTCTCAAGAGACGCGGCGAGCGCGCTGGAGAGGCGGAGG 24108
          |||||||
OY      480  ACCGGGTATAGAAAGCCTCTGCGCCGCGGAGCGCGAGGTTCCCGCGCGCGCGCG 539
          |||||||
Db      24107 ACCGGGTATAGAAAGCCTCTGCGCCGCGGAGCGCGAGGTTCCCGCGCGCGCGCG 24048
          |||||||
OY      540  AGCCCCCG 547
          |||||||
Db      24047 AGCCCCCG 24040
          |||||||

RESULT 5
AC106813 166777 bp DNA linear HTG 07-MAR-2002
LOCUS      Homo sapiens chromosome 5 clone RP11-586L9, WORKING DRAFT SEQUENCE.
DEFINITION
ACCESSION  AC106813.3 GI:19224876
KEYWORDS   HTG; HTGS_PHASE2; HTGS_DRAFT; HTGS_ACTIVEFIN.
SOURCE     Homo sapiens (human)
ORGANISM   Homo sapiens
REFERENCE  Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
AUTHORS    Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.
TITLE      DOE Joint Genome Institute.
JOURNAL    Sequencing of Human Chromosome 5
REFERENCE  2 (bases 1 to 166777)
AUTHORS    Unpublished
JOURNAL    Direct Submission
JOURNAL    Submitted (12-JAN-2002) Production Sequencing Facility, DOE Joint

```

Genome Institute, 2800 Mitchell Drive, Walnut Creek, CA 94598, USA
 3 (bases 1 to 166777)
 DOE Joint Genome Institute.
 Direct Submission
 Submitted (07-MAR-2002) Production Sequencing Facility, DOE Joint
 Genome Institute, 2800 Mitchell Drive, Walnut Creek, CA 94598, USA
 On Mar 7, 2002 this sequence version replaced gi:18369924.
 -----Genome Center
 Center: Joint Genome Institute
 Center Code: JGI
 Web site: <http://www.jgi.doe.gov>

 Project Information
 Center Project Name: 1519801
 Center clone name: RPCI-11_586L9

 Summary Statistics
 Consensus quality: 163497 bases at least Q40
 Consensus quality: 166071 bases at least Q30
 Consensus quality: 166432 bases at least Q20
 Estimated insert size: 166250; agarose-fp estimation
 Estimated insert size: 166377; sum-of-ctrls estimation
 Quality coverage: 9.4 in Q20 bases; agarose-fp estimation
 Quality coverage: 10.51 in Q20 bases; sum-of-ctrls estimation
 NOTE: This is a 'working draft' sequence. It currently
 consists of 3 contigs. Gaps between the contigs
 are represented as runs of N. The order of the pieces
 is believed to be correct as given, however the sizes
 of the gaps between them are based on estimates that have
 been provided by the submitter.
 * This sequence will be replaced
 * by the finished sequence as soon as it is available and
 * the accession number will be preserved.
 *
 * 1 62237: contig of 62237 bp in length
 * 62238 62337: gap of unknown length
 * 75838 75937: contig of 13500 bp in length
 * 75938 166777: contig of 90840 bp in length.
 *
 * Location/Qualifiers
 1. 166777
 /organism="Homo sapiens"
 /mol_type="genomic DNA"
 /db_xref="taxon:9606"
 /chromosome="5"
 /clone="RP11-586L9"
 /clone_lib="RPCI human BAC library 11"
 /clone_id="39804 c 41238 g 40888 t 200 others
 BASE COUNT 44627 a 39804 c 41238 g 40888 t 200 others
 ORIGIN
 Query Match 86.2%; Score 475; DB 2; Length 166777;
 Best Local Similarity 95.5%; Pred. No. 2.4e-70;
 Matches 528; Conservative 0; Mismatches 5; Indels 20; Gaps 3;
 QY 1 CGGCCGGGAGGAGGCGGAGTGAAGGAGGCTGATCGTCCCTGAGCGCTCCACCTCCCGAGG 60
 Db 119104 CGGCCGGGAGGAGGCGGAGTGAAGGAGGCTGATCGTCCCTGAGCGCTCCACCTCCCGAGG 119163
 QY 61 CGCAGAAGCGCCACAGAGAGAGCCCAAGTGCAGGAGTTCGACAGGCTGAGATCAGAGG 120
 Db 119164 CGCAGAAGCGCCACAGAGAGAGCCCAAGTGCAGGAGTTCGACAGGCTGAGATCAGAGG 119223
 QY 121 CAGGAGCAGAGGAGGAGCAAGTGAAGGAGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 180
 Db 119224 CAGGAGCAGAGGAGGAGCAAGTGAAGGAGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 119283
 QY 181 CCTCAGCAGAGGAGGAGGAGTCCCTTACCCGCGGCGGCGGCGGCGGCGGCGGCGGCGGCTC 240
 Db 119284 C-----CCTCAGCAGGAGGAGGAGTCCCTTACCCGCGGCGGCGGCGGCGGCGGCGGCTC 119325
 QY 241 AGACCGCAAGCGAAGAGTGGGCGGCGGAGTGGCGCTCGCGAGAGCAAAAGCGCGGCGCTGC 300
 Db 119326 AGACCGCAAGCGAAGAGTGGGCGGCGGAGTGGCGCTCGCGAGAGCAAAAGCGCGGCGCTGC 119385

QY 301 CT-CTTCAGAGGAGGCGCCACAGCGCTGCGCAAGAGAGTCTCTCAGGCGCGGCGAGGANG 359
 Db 119386 CTGCTCTCAGAGGAGGCGCCACAGCGCTGCGCAAGAGAGTCTCTCAGGCGCGGCGAGGANG 119445
 QY 360 GGGCAGAGGCGCTTCCAGAGGCGCGCGCGCGCGCGAGAGGAGTGGCGCAGAGGCGCGCT 419
 Db 119446 GGGCAGAGGCGCTTCCAGAGGCGCGCGCGCGCGCGAGAGGAGTGGCGCAGAGGCGCGCT 119505
 QY 420 GAGGAGAGCGGCGGCGCTTCTCAGAGAGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 478
 Db 119506 GAGGAGAGCGGCGGCGCTTCTCAGAGAGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 119565
 QY 479 GAGCGGCTATTAAGAGCTCTGTGCTTGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 538
 Db 119566 GAGCGGCTATTAAGAGCTCTGTGCTTGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 119625
 QY 539 GAGCGCGCGCGGCC 551
 Db 119626 GAGCGCGCGCGGCC 119638
 RESULT 6
 LOCUS BD082141 562 bp DNA linear PAT 27-AUG-2002
 DEFINITION Reagents and methods useful for detecting diseases of the lung.
 ACCESSION BD082141
 VERSION BD082141.1 GI:22627751
 KEYWORDS JP 2001522225-A/5.
 SOURCE
 ORGANISM
 Zea mays
 Eukaryote; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
 Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae; PACCAD
 clade; Panicoideae; Andropogoneae; Zea.
 1 (bases 1 to 562)
 Medel,P.A.B., Cohen,M., Colpitts,T.L., Friedman,P.N., Gordon,J.,
 Grandos,E.N., Hodges,S.C., Klass,M.R., Kratochvil,J.D., Rapp,L.R.,
 Russell,J.C., and Stroupe,S.D.
 Reagents and methods useful for detecting diseases of the lung
 Patent: JP 2001522225-A 5 13-NOV-2001;
 ABBOTT LABORATORIES
 PN JP 2001522225-A/5
 PD 13-NOV-2001
 PF 30-JAN-1998 JP 1998533078
 PR 31-JAN-1997 US 08/791710
 PI PATRICIA A BILLING MEDEL,MAURICE COHEN,TRACEY L COLPITTS,PAULA
 PI N FRIEDMAN,
 PI JULIAN GORDON,EDWARD N GRANADOS,STEVEN C HODGES,MICHAEL R PI
 PI KLAS,
 PI JON D KRATOCHVIL,LISA ROBERTS RAPP,JOHN C RUSSELL,STEPHEN D
 PI STROUPE
 PC C12N15/63,C12N5/10,C12Q1/68,C07K14/47//C07K16/30,G01N33/574 CC
 CC Strandedness: Single;
 CC Topology: Linear;
 FH Key location/Qualifiers.
 FEATURES
 source
 1.562
 /organism="Zea mays"
 /mol_type="genomic DNA"
 /db_xref="taxon:4577"
 BASE COUNT 82 a 200 c 192 g 86 t 2 others
 ORIGIN
 Query Match 21.8%; Score 120; DB 6; Length 562;
 Best Local Similarity 99.2%; Pred. No. 1.4e-10;
 Matches 120; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 431 GCAGGCTTCTCAGAGAGCGGCGGAGCGGCGGCTGAGAGGCGGAGCGGAGTAA 490
 Db 1 GCAGGCTTCTCAGAGAGCGGCGGAGCGGCGGCTGAGAGGCGGAGCGGAGTAA 60
 QY 491 GAAGCTGTGGCTTGGCGGAGCGGAGGAGTTCCTCCGCGGCGGCGGAGCGGCGGCGGCGG 550

Db 61 GAAGCTCTGTCGCTTGGCCGGGAGCCGAGGTTCCCGCGCCCGAGCCCGCCGCGC 120
Oy 551 C 551
Db 121 C 121

RESULT 7
BD082137 190 bp DNA linear PAT 27-AUG-2002
LOCUS Reagents and methods useful for detecting diseases of the lung.
DEFINITION BD082137
ACCESSION BD082137.1 GI:22627747
VERSION JP 2001522225-A/1.
KEYWORDS
SOURCE Zea mays
ORGANISM Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae; PACCAD
clade; Panicoideae; Andropogoneae; Zea.
1 (bases 1 to 190)
Medel,P.A.B., Cohen,M., Colpitts,T.L., Friedman,P.N., Gordon,J.,
Granados,E.N., Hodges,S.C., Klass,M.R., Kratochvill,J.D., Rapp,L.R.,
Russell,J.C. and Stroupe,S.D.
Reagents and methods useful for detecting diseases of the lung
Patent: JP 2001522225-A 1 13-NOV-2001;
ABBOTT LABORATORIES
PN JP 2001522225-A/1
PD 13-NOV-2001
PR 30-JAN-1998 JP 1998533078
PR 31-JAN-1997 US 08/791710
PI PATRICIA A BILLING MEDEL,MAURICE COHEN,TRACEY L COLPITTS,PAULA

REFERENCE
AUTHORS
TITLE
JOURNAL
COMMENT

FEATURES
source
1. 190
/organism="Zea mays"
/mol_type="genomic DNA"
/db_xref="taxon:4577"

BASE COUNT 18 a 69 c 67 g 32 t 4 others

ORIGIN
Query Match 21.2%; Score 117; DB 6; Length 190;
Best Local Similarity 96.7%; Pred. No. 6.1e-10;
Matches 117; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Db 431 GCAGGGCTTCTCAGAGGCGGCGAGCGCGCTGAGGGGAGGAGGACCGGATATA 490
Oy 1 GCAGGGCTTCTCAGAGGCGGCGAGCGCGCGCTGAGGGGAGGAGGACCGGATATA 60
Db 491 GAACCTTCGCGCTTCCCGGCGGCGAGGTCGCCGCGGCCCGCGAGCCCGCGCGC 550
Oy 1 GCAGCTTCGCGCTTCCCGGCGGCGAGGTCGCCGCGGCCCGCGAGCCCGCGCGC 550
Db 61 GAGCCCTCGTGGCTTCCCGGCGGCGAGGTCGCCGCGGCCCGCGAGCCCGCGCGC 120
Oy 551 C 551
Db 121 C 121

RESULT 8
BD082142 519 bp DNA linear PAT 27-AUG-2002
LOCUS Reagents and methods useful for detecting diseases of the lung.
DEFINITION BD082142
ACCESSION BD082142.1 GI:22627752
VERSION JP 2001522225-A/6.
KEYWORDS

SOURCE
ORGANISM
Zea mays
Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae; PACCAD
clade; Panicoideae; Andropogoneae; Zea.
1 (bases 1 to 519)
Medel,P.A.B., Cohen,M., Colpitts,T.L., Friedman,P.N., Gordon,J.,
Granados,E.N., Hodges,S.C., Klass,M.R., Kratochvill,J.D., Rapp,L.R.,
Russell,J.C. and Stroupe,S.D.
Reagents and methods useful for detecting diseases of the lung
Patent: JP 2001522225-A 6 13-NOV-2001;
ABBOTT LABORATORIES
PN JP 2001522225-A/6
PD 13-NOV-2001
PR 30-JAN-1998 JP 1998533078
PR 31-JAN-1997 US 08/791710
PI PATRICIA A BILLING MEDEL,MAURICE COHEN,TRACEY L COLPITTS,PAULA

REFERENCE
AUTHORS
TITLE
JOURNAL
COMMENT

FEATURES
source
1. 519
/organism="Zea mays"
/mol_type="genomic DNA"
/db_xref="taxon:4577"

BASE COUNT 78 a 190 c 170 g 81 t

ORIGIN
Query Match 14.2%; Score 78; DB 6; Length 519;
Best Local Similarity 100.0%; Pred. No. 0.0014;
Matches 78; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Db 474 GCGAGACCGGATATAGAGCCCTGTCGCTTGGCCCGGCGAGCCGAGTTCCCGCGCC 533
Oy 1 GCGAGACCGGATATAGAGCCCTGTCGCTTGGCCCGGCGAGCCGAGTTCCCGCGCC 60
Db 534 GCCCGAGGCCCGCGCGCC 551
Oy 1 GCCCGAGGCCCGCGCGCC 551
Db 61 GCCCGAGGCCCGCGCGCC 78

RESULT 9
AX201348 569 bp DNA linear PAT 30-AUG-2001
LOCUS Sequence 27 from Patent WO0153486.
DEFINITION AX201348
ACCESSION AX201348.1 GI:15391167
VERSION
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.
1
Ashkenazi,A.J., Goddard,A., Godowski,P.J., Gunney,A.L.,
Hillan,K.D., Masters,S.A., Pan,T., Pitti,R.M., Roy,M.A., Smith,V.,
Stone,D.M., Watanabe,C.K. and Wood,W.I.
Compositions and methods for the treatment of tumour
Patent: WO 0153486-A 27 26-JUL-2001;
Genentech, Inc. (US)
Location/Qualifiers
1. 569
/organism="Homo sapiens"
/mol_type="genomic DNA"
/db_xref="taxon:9606"

BASE COUNT 128 a 190 c 170 g 81 t

ORIGIN

```

Query Match      14.2%: Score 78; DB 6; Length 569;
Best Local Similarity 100.0%; Pred. No. 0.0014;
Matches 78; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 474 GCGAGGACCGGGGTATAGAGAGCCCTGCGCTTCCCGGAGCCGACAGTTCCCGCGC 533
      1 GCGAGGACCGGGGTATAGAGAGCCCTGCGCTTCCCGGAGCCGACAGTTCCCGCGC 60
DB 534 GCGCCGAGCCCGCGCGC 551
      61 GCGCCGAGCCCGCGCGC 78

RESULT 10
LOCUS AR252648 570 bp DNA linear PAT 20-DEC-2002
DEFINITION Sequence 407 from patent US 6478825.
ACCESSION AR252648
VERSION AR252648.1 GI:27300556
KEYWORDS
SOURCE Unknown.
ORGANISM
REFERENCE 1 (bases 1 to 570)
AUTHORS Winterbottom, J.M., Shimp, L., Boyce, T.M. and Kaes, D.
TITLE Implant, method of making same and use of the implant for the
JOURNAL treatment of bone defects
FEATURES
source Location/Qualifiers
BASE COUNT 129 a 190 c 170 g 81 t
ORIGIN
Query Match      14.2%: Score 78; DB 6; Length 570;
Best Local Similarity 100.0%; Pred. No. 0.0014;
Matches 78; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 474 GCGAGGACCGGGGTATAGAGAGCCCTGCGCTTCCCGGAGCCGACAGTTCCCGCGC 533
      1 GCGAGGACCGGGGTATAGAGAGCCCTGCGCTTCCCGGAGCCGACAGTTCCCGCGC 60
DB 534 GCGCCGAGCCCGCGCGC 551
      61 GCGCCGAGCCCGCGCGC 78

RESULT 11
LOCUS AX403520 570 bp DNA linear PAT 14-JUN-2002
DEFINITION Sequence 407 from Patent WO0073454.
ACCESSION AX403520
VERSION AX403520.1 GI:21437002
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
REFERENCE 1 (bases 1 to 570)
AUTHORS Ashkenazi, A.J., Baker, K.P., Botstein, D., Desnoyers, L., Eaton, D.,
      Ferrara, N., Gerber, H., Gerlitsen, M., Goddard, A., Godowski, P.,
      Grimaldi, C.J., Gurney, A.L., Kijavich, I., Napier, M.A., Pan, J.,
      Pooni, N.F., Roy, M., Stewart, T.A., Tumas, D., Watanabe, C.K.,
      Williams, P., Wood, W.I. and Zhang, Z.
TITLE Secreted and transmembrane polypeptides and nucleic acids encoding
JOURNAL the same
FEATURES Patent: WO 0073454-A 407 07-DEC-2000;
source Genentech Inc. (US)
location/Qualifiers
1..570
/mol_type="genomic DNA"

```

```

BASE COUNT 129 a 190 c 170 g 81 t
ORIGIN
Query Match      14.2%: Score 78; DB 6; Length 570;
Best Local Similarity 100.0%; Pred. No. 0.0014;
Matches 78; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 474 GCGAGGACCGGGGTATAGAGAGCCCTGCGCTTCCCGGAGCCGACAGTTCCCGCGC 533
      1 GCGAGGACCGGGGTATAGAGAGCCCTGCGCTTCCCGGAGCCGACAGTTCCCGCGC 60
DB 534 GCGCCGAGCCCGCGCGC 551
      61 GCGCCGAGCCCGCGCGC 78

RESULT 12
LOCUS BD082138 244 bp DNA linear PAT 27-AUG-2002
DEFINITION Reagents and methods useful for detecting diseases of the lung.
ACCESSION BD082138
VERSION BD082138.1 GI:22627748
KEYWORDS
SOURCE Zea mays
ORGANISM Zea mays
REFERENCE 1 (bases 1 to 244)
AUTHORS Medel, P.A.B., Cohen, M., Colpitts, T.L., Friedman, P.N., Gordon, J.,
      Granados, E.N., Hodges, S.C., Klass, M.R., Kratochvil, J.D., Rapp, L.R.,
      Russell, J.C. and Stroupe, S.D.
TITLE Reagents and methods useful for detecting diseases of the lung
JOURNAL Patent: JP 2001522225-A 2 13-NOV-2001;
COMMENT ABBOTT LABORATORIES
      PN JP 2001522225-A/2
      PD 13-NOV-2001
      PF 30-JAN-1998 JP 1998533078
      PR 31-JAN-1997 US 08/791710
      PI PATRICIA A BILLING MEDEL, MAURICE COHEN, TRACEY L COLPITTS, PAULIA
      PI N FRIEDMAN,
      PI JULIAN GORDON, EDWARD N GRANADOS, STEVEN C HODGES, MICHAEL R PI
      PI KLAS,
      PI JON D KRATOCHVIL, LISA ROBERTS RAPP, JOHN C RUSSELL, STEPHEN D
      PI STROUPE
      PC C12N15/63, C12N5/10, C12Q1/68, C07K14/47, C07K16/30, G01N33/574 CC
      CC Strandedness: Single;
      CC Topology: linear;
      FH Key Location/Qualifiers
FEATURES
source 1..244
      /organism="Zea mays"
      /mol_type="genomic DNA"
      /db_xref="taxon:4577"
BASE COUNT 25 a 97 c 82 g 39 t 1 others
ORIGIN
Query Match      14.0%: Score 77; DB 6; Length 244;
Best Local Similarity 98.7%: Pred. No. 0.0026;
Matches 77; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

OY 474 GCGAGGACCGGGGTATAGAGAGCCCTGCGCTTCCCGGAGCCGACAGTTCCCGCGC 533
      1 GCGAGGACCGGGGTATAGAGAGCCCTGCGCTTCCCGGAGCCGACAGTTCCCGCGC 60
DB 534 GCGCCGAGCCCGCGCGC 551
      61 GCGCCGAGCCCGCGCGC 78

RESULT 13

```


AF429315/C	AF429315	125020 bp	DNA	linear	PRI 18-JAN-2002
LOCUS	AF429315	125020 bp	DNA	linear	PRI 18-JAN-2002
DEFINITION	AF429315	125020 bp	DNA	linear	PRI 18-JAN-2002
ACCESSION	AF429315	125020 bp	DNA	linear	PRI 18-JAN-2002
VERSION	AF429315.1	GI:17646244	DNA	linear	PRI 18-JAN-2002
KEYWORDS	AF429315.1	GI:17646244	DNA	linear	PRI 18-JAN-2002
SOURCE	AF429315.1	GI:17646244	DNA	linear	PRI 18-JAN-2002
ORGANISM	AF429315.1	GI:17646244	DNA	linear	PRI 18-JAN-2002
REFERENCE	AF429315.1	GI:17646244	DNA	linear	PRI 18-JAN-2002
AUTHORS	AF429315.1	GI:17646244	DNA	linear	PRI 18-JAN-2002
TITLE	AF429315.1	GI:17646244	DNA	linear	PRI 18-JAN-2002
JOURNAL	AF429315.1	GI:17646244	DNA	linear	PRI 18-JAN-2002
MEDLINE	AF429315.1	GI:17646244	DNA	linear	PRI 18-JAN-2002
PUBMED	AF429315.1	GI:17646244	DNA	linear	PRI 18-JAN-2002
REFERENCE	AF429315.1	GI:17646244	DNA	linear	PRI 18-JAN-2002
AUTHORS	AF429315.1	GI:17646244	DNA	linear	PRI 18-JAN-2002
TITLE	AF429315.1	GI:17646244	DNA	linear	PRI 18-JAN-2002
JOURNAL	AF429315.1	GI:17646244	DNA	linear	PRI 18-JAN-2002
FEATURES	AF429315.1	GI:17646244	DNA	linear	PRI 18-JAN-2002
SOURCE	AF429315.1	GI:17646244	DNA	linear	PRI 18-JAN-2002
gene	AF429315.1	GI:17646244	DNA	linear	PRI 18-JAN-2002
mrna	AF429315.1	GI:17646244	DNA	linear	PRI 18-JAN-2002
cds	AF429315.1	GI:17646244	DNA	linear	PRI 18-JAN-2002
repeat_region	AF429315.1	GI:17646244	DNA	linear	PRI 18-JAN-2002
BASE COUNT	AF429315.1	GI:17646244	DNA	linear	PRI 18-JAN-2002
ORIGIN	AF429315.1	GI:17646244	DNA	linear	PRI 18-JAN-2002
Query Match	AF429315.1	GI:17646244	DNA	linear	PRI 18-JAN-2002
Best local Similarity	AF429315.1	GI:17646244	DNA	linear	PRI 18-JAN-2002
Matches	AF429315.1	GI:17646244	DNA	linear	PRI 18-JAN-2002
45	AF429315.1	GI:17646244	DNA	linear	PRI 18-JAN-2002
17694	AF429315.1	GI:17646244	DNA	linear	PRI 18-JAN-2002
17634	AF429315.1	GI:17646244	DNA	linear	PRI 18-JAN-2002
165	AF429315.1	GI:17646244	DNA	linear	PRI 18-JAN-2002
17574	AF429315.1	GI:17646244	DNA	linear	PRI 18-JAN-2002
225	AF429315.1	GI:17646244	DNA	linear	PRI 18-JAN-2002

[illegible]

Matches 222; Conservative 0; Mismatches 295; Indels 6; Gaps 1;

```

QY 34 CGTCCCTGGGCTCTCCACCTCCCGACAGAGCGCGCCACAGAGACCCCGAGTGGCC 93
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 91602 CGCAGCTACCGCGCGCAAACTGNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN 91543
QY 94 GACCTTGCCAGGCTCTGGGATCAGAGGACAGGACACAGGAGCCAGAACTGGCGCCCG 153
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 91542 NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN 91483
QY 154 CGCCCTGCTGCTGGCGGAGGAGTCCCTCAGCAGAGGAACTCCCTCAGCCGGCC 213
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 91482 CGGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 91423
QY 214 CAGCCCTGCAAGGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 273
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 91422 GNNGGCGGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 91363
QY 274 CCTCGGAGAGCAAGAGCGCGCGCTCTCTCTCAGAGGAGCCAGCGCTGCAAGAG 333
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 91362 GCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 91303
QY 334 AAGTCTC-----GAGGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 387
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 91302 GCGGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 91243
QY 388 CCCAGCAGAGAGATGTCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 447
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 91242 CGGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 91183
QY 448 GCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 507
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 91182 CGGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 91123
QY 508 CGCGGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 550
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 91122 CGGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 91080
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

```

RESULT 15
PM2H12G 1279 bp DNA linear STS 09-MAR-2002
LOCUS Penicillium marneffei STS, clone pm2h12.g, sequence tagged site.
DEFINITION AL684840
ACCESSION AL684840.1 GI:19337636
VERSION STS.
KEYWORDS Penicillium marneffei
SOURCE Penicillium marneffei
ORGANISM Eukaryota; Fungi; Ascomycota; Pezizomycotina; Eurotiomycetes;
Eurotiales; Trichocomaceae; mitosporic Trichocomaceae; Penicillium.

REFERENCE 1
AUTHORS Vien, K.Y., Pascal, G., Wong, S., Glaser, P., Woo, P., Kunst, P.,
TITLE Cheung, E., Medigue, C. and Danchin, A.,
JOURNAL Exploring the Penicillium marneffei genome
REFERENCE 2 (bases 1 to 1279)
AUTHORS Danchin, A. and Pascal, G.
TITLE Direct Submission
JOURNAL Submitted (08-MAR-2002) Danchin A., HKU-Pasteur Research Centre,
Dexter HC Man Building 8, Sassoon Road, Pokfulam, Hong Kong
FEATURES
SOURCE 1. 1279
Location/Qualifiers
/organism="Penicillium marneffei"
/mol_type="genomic DNA"
/db_xref="taxon:37727"
/clone="pm2h12.g"

BASE COUNT 93 a 516 c 497 g 22 t 151 others
ORIGIN

Query Match 12.4%; Score 68.2; DB 11; Length 1279;
Best Local Similarity 45.3%; Pred. No. 0.046;
Matches 231; Conservative 0; Mismatches 273; Indels 6; Gaps 2;

```

QY 42 GCGCTCCACCTCCCGACAGGCGCGAGAAAGCGCCCGACAGAGACCCCGAGTGGCCAGCTTC 101
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1237 GCGCCNCCCCCGCCCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 1178
QY 102 CAGGCTCGGAGTATGAGAGGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 161
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1177 GCGGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 1118
QY 162 CCTTGGCGCGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 221
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1117 GCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 1058
QY 222 CAGGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 280
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1057 GCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 998
QY 281 GAGACAAAGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 340
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 997 CCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 938
QY 341 CGAGGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 400
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 937 GCGGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 878
QY 401 TTGGCCAGGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 460
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 877 NCCCCNCGCGTGGCGG-----GCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 823
QY 461 CGGCGCGCGAGGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 520
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 822 GCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 763
QY 521 AGTTCCCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 550
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 762 GCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 733
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

```

Search completed: September 20, 2003, 00:35:05
Job time : 2472.41 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2003 Comphen Ltd.

OM nucleic - nucleic search, using sw model

Run on: September 19, 2003, 23:30:33 : Search time 61.9316 Seconds
(without alignments)
3926.945 Million cell updates/sec

Title: US-10-081-817a-19

Perfect score: 551

Sequence: 1 cgccgcgggagggcgccggg.....gcgcggcgagcccgccgcgc 551

Scoring table: IDENTITY_NUC
Gapop 10.0, Gapext 1.0

Searched: 569978 seqs, 220691566 residues

Total number of hits satisfying chosen parameters: 1139956

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued_Patents_NA:*
1: /cgn2_6/ptodata/2/lna/5A.COMB.seq:*
2: /cgn2_6/ptodata/2/lna/5B.COMB.seq:*
3: /cgn2_6/ptodata/2/lna/6A.COMB.seq:*
4: /cgn2_6/ptodata/2/lna/6B.COMB.seq:*
5: /cgn2_6/ptodata/2/lna/PCRTUS.COMB.seq:*
6: /cgn2_6/ptodata/2/lna/Backfile1.seq:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	78	14.2	570	4	US-09-996-243-407
2	49.4	9.0	1335	5	US-09-991-06532-1
3	48.8	8.9	4403765	3	US-09-103-840A-2
4	48.6	8.8	152331	3	US-09-128-155-16
5	48.4	8.8	4411529	3	US-09-103-840A-1
6	47.2	8.6	7218	1	US-08-232-463-14
7	46.6	8.5	932	1	US-08-458-912-1
8	46.6	8.5	932	1	US-08-461-179-1
9	46.6	8.5	932	1	US-08-459-254-1
10	46.6	8.5	932	1	US-08-459-255-1
11	46.2	8.4	3932	3	US-08-586-165-8
12	45.8	8.3	35060	3	US-08-483-533-4
13	45.4	8.2	595	4	US-09-283-471A-4
14	45.4	8.2	1327	4	US-08-483-533-36
15	45.4	8.2	1327	4	US-08-483-533-36
16	45.4	8.2	1327	4	US-08-483-533-36
17	45.2	8.2	1327	4	US-08-483-533-36
18	45.2	8.2	1327	4	US-08-483-533-36
19	45.2	8.2	1327	4	US-08-483-533-36
20	45.2	8.2	1327	4	US-08-483-533-36
21	44.6	8.1	4257	2	US-08-690-473-1
22	44.6	8.1	4257	2	US-08-690-473-1
23	44.6	8.1	4257	2	US-08-690-473-1
24	44.6	8.1	4257	2	US-08-690-473-1
25	44.4	8.1	4257	2	US-08-690-473-1
26	44.4	8.1	4257	2	US-08-690-473-1
27	44.4	8.1	4257	2	US-08-690-473-1

28	44.4	8.1	12001	1	US-08-458-568A-11	Sequence 11, Appl
29	44.2	8.0	450	4	US-09-252-991A-6540	Sequence 6540, Ap
30	44	8.0	6453	3	US-08-306-691B-14	Sequence 14, Appl
31	44	8.0	6453	3	US-09-209-668-10	Sequence 10, Appl
32	44	8.0	6453	3	US-09-356-952-8	Sequence 8, Appl
33	44	8.0	15378	3	US-08-785-420-1	Sequence 1, Appl
34	43.8	7.9	53526	3	US-08-658-136-1	Sequence 1, Appl
35	43.8	7.9	53577	3	US-08-572-951-1	Sequence 1, Appl
36	43.4	7.9	2990	1	US-08-483-533-36	Sequence 36, Appl
37	43.2	7.8	1327	4	US-09-434-288-1	Sequence 1, Appl
38	42.8	7.8	1590	4	US-09-679-298A-1	Sequence 1, Appl
39	42.8	7.8	2887	4	US-08-770-379-17	Sequence 17, Appl
40	42.8	7.8	35100	2	US-08-757-669A-17	Sequence 17, Appl
41	42.8	7.8	35100	3	US-09-230-371A-17	Sequence 17, Appl
42	42.8	7.8	35100	4	US-09-103-840A-2	Sequence 2, Appl
43	42.6	7.7	4403765	3	US-09-103-840A-2	Sequence 1, Appl
44	42.6	7.7	4411529	3	US-09-103-840A-1	Sequence 1, Appl
45	42.6	7.7	4411529	3	US-09-103-840A-1	Sequence 1, Appl

ALIGNMENTS

RESULT 1
US-09-996-243-407
; Sequence 407, Application US/09996243
; Patent No. 6478825
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerlt, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Goddard, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gueney, Austin L.
; APPLICANT: Kijavlin, Ivar J.
; APPLICANT: Kijavlin, Mary A.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2730P1C13
; CURRENT APPLICATION NUMBER: 2001-11-14
; PRIOR FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/065186
; PRIOR FILING DATE: 1997-11-12
; PRIOR APPLICATION NUMBER: 60/065311
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: 60/066770
; PRIOR FILING DATE: 1997-11-24
; PRIOR APPLICATION NUMBER: 60/075945
; PRIOR FILING DATE: 1998-02-25
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/083222
; PRIOR FILING DATE: 1998-04-28

Mon Sep 22 15:31:38 2003

us-10-081-817a-19.rni

Page 2

1	PRIOR APPLICATION NUMBER: 60/084600
2	PRIOR FILING DATE: 1998-05-07
3	PRIOR APPLICATION NUMBER: 60/087106
4	PRIOR FILING DATE: 1998-05-28
5	PRIOR APPLICATION NUMBER: 60/087607
6	PRIOR FILING DATE: 1998-06-02
7	PRIOR APPLICATION NUMBER: 60/087609
8	PRIOR FILING DATE: 1998-06-02
9	PRIOR APPLICATION NUMBER: 60/087759
10	PRIOR FILING DATE: 1998-06-02
11	PRIOR APPLICATION NUMBER: 60/087827
12	PRIOR FILING DATE: 1998-06-03
13	PRIOR APPLICATION NUMBER: 60/088021
14	PRIOR FILING DATE: 1998-06-04
15	PRIOR APPLICATION NUMBER: 60/088025
16	PRIOR FILING DATE: 1998-06-04
17	PRIOR APPLICATION NUMBER: 60/088026
18	PRIOR FILING DATE: 1998-06-04
19	PRIOR APPLICATION NUMBER: 60/088028
20	PRIOR FILING DATE: 1998-06-04
21	PRIOR APPLICATION NUMBER: 60/088029
22	PRIOR FILING DATE: 1998-06-04
23	PRIOR APPLICATION NUMBER: 60/088030
24	PRIOR FILING DATE: 1998-06-04
25	PRIOR APPLICATION NUMBER: 60/088033
26	PRIOR FILING DATE: 1998-06-04
27	PRIOR APPLICATION NUMBER: 60/088326
28	PRIOR FILING DATE: 1998-06-04
29	PRIOR APPLICATION NUMBER: 60/088167
30	PRIOR FILING DATE: 1998-06-05
31	PRIOR APPLICATION NUMBER: 60/088202
32	PRIOR FILING DATE: 1998-06-05
33	PRIOR APPLICATION NUMBER: 60/088212
34	PRIOR FILING DATE: 1998-06-05
35	PRIOR APPLICATION NUMBER: 60/088217
36	PRIOR FILING DATE: 1998-06-05
37	PRIOR APPLICATION NUMBER: 60/088655
38	PRIOR FILING DATE: 1998-06-09
39	PRIOR APPLICATION NUMBER: 60/088734
40	PRIOR FILING DATE: 1998-06-10
41	PRIOR APPLICATION NUMBER: 60/088738
42	PRIOR FILING DATE: 1998-06-10
43	PRIOR APPLICATION NUMBER: 60/088742
44	PRIOR FILING DATE: 1998-06-10
45	PRIOR APPLICATION NUMBER: 60/088810
46	PRIOR FILING DATE: 1998-06-10
47	PRIOR APPLICATION NUMBER: 60/088824
48	PRIOR FILING DATE: 1998-06-10
49	PRIOR APPLICATION NUMBER: 60/088826
50	PRIOR FILING DATE: 1998-06-10
51	PRIOR APPLICATION NUMBER: 60/088858
52	PRIOR FILING DATE: 1998-06-11
53	PRIOR APPLICATION NUMBER: 60/088861
54	PRIOR FILING DATE: 1998-06-11
55	PRIOR APPLICATION NUMBER: 60/088876
56	PRIOR FILING DATE: 1998-06-11
57	PRIOR APPLICATION NUMBER: 60/089105
58	PRIOR FILING DATE: 1998-06-12
59	PRIOR APPLICATION NUMBER: 60/089440
60	PRIOR FILING DATE: 1998-06-16
61	PRIOR APPLICATION NUMBER: 60/089512
62	PRIOR FILING DATE: 1998-06-16
63	PRIOR APPLICATION NUMBER: 60/089514
64	PRIOR FILING DATE: 1998-06-16
65	PRIOR APPLICATION NUMBER: 60/089532
66	PRIOR FILING DATE: 1998-06-17
67	PRIOR APPLICATION NUMBER: 60/089538
68	PRIOR FILING DATE: 1998-06-17
69	PRIOR APPLICATION NUMBER: 60/089598
70	PRIOR FILING DATE: 1998-06-17
71	PRIOR APPLICATION NUMBER: 60/089599
72	PRIOR FILING DATE: 1998-06-17
73	PRIOR APPLICATION NUMBER: 60/089600

1	PRIOR FILING DATE: 1998-06-17	60/0895633
2	PRIOR APPLICATION NUMBER: 60/0895633	
3	PRIOR FILING DATE: 1998-06-17	
4	PRIOR APPLICATION NUMBER: 60/089801	
5	PRIOR FILING DATE: 1998-06-18	
6	PRIOR APPLICATION NUMBER: 60/089907	
7	PRIOR FILING DATE: 1998-06-18	
8	PRIOR APPLICATION NUMBER: 60/089908	
9	PRIOR FILING DATE: 1998-06-18	
10	PRIOR APPLICATION NUMBER: 60/089947	
11	PRIOR FILING DATE: 1998-06-19	
12	PRIOR APPLICATION NUMBER: 60/089948	
13	PRIOR FILING DATE: 1998-06-19	
14	PRIOR APPLICATION NUMBER: 60/089952	
15	PRIOR FILING DATE: 1998-06-19	
16	PRIOR APPLICATION NUMBER: 60/090246	
17	PRIOR FILING DATE: 1998-06-22	
18	PRIOR APPLICATION NUMBER: 60/090252	
19	PRIOR FILING DATE: 1998-06-22	
20	PRIOR APPLICATION NUMBER: 60/090254	
21	PRIOR FILING DATE: 1998-06-22	
22	PRIOR APPLICATION NUMBER: 60/090349	
23	PRIOR FILING DATE: 1998-06-23	
24	PRIOR APPLICATION NUMBER: 60/090355	
25	PRIOR FILING DATE: 1998-06-23	
26	PRIOR APPLICATION NUMBER: 60/090429	
27	PRIOR FILING DATE: 1998-06-24	
28	PRIOR APPLICATION NUMBER: 60/090431	
29	PRIOR FILING DATE: 1998-06-24	
30	PRIOR APPLICATION NUMBER: 60/090435	
31	PRIOR FILING DATE: 1998-06-24	
32	PRIOR APPLICATION NUMBER: 60/090444	
33	PRIOR FILING DATE: 1998-06-24	
34	PRIOR APPLICATION NUMBER: 60/090445	
35	PRIOR FILING DATE: 1998-06-24	
36	PRIOR APPLICATION NUMBER: 60/090472	
37	PRIOR FILING DATE: 1998-06-24	
38	PRIOR APPLICATION NUMBER: 60/090535	
39	PRIOR FILING DATE: 1998-06-24	
40	PRIOR APPLICATION NUMBER: 60/090540	
41	PRIOR FILING DATE: 1998-06-24	
42	PRIOR APPLICATION NUMBER: 60/090542	
43	PRIOR FILING DATE: 1998-06-24	
44	PRIOR APPLICATION NUMBER: 60/090557	
45	PRIOR FILING DATE: 1998-06-24	
46	PRIOR APPLICATION NUMBER: 60/090676	
47	PRIOR FILING DATE: 1998-06-25	
48	PRIOR APPLICATION NUMBER: 60/090678	
49	PRIOR FILING DATE: 1998-06-25	
50	PRIOR APPLICATION NUMBER: 60/090690	
51	PRIOR FILING DATE: 1998-06-25	
52	PRIOR APPLICATION NUMBER: 60/090694	
53	PRIOR FILING DATE: 1998-06-25	
54	PRIOR APPLICATION NUMBER: 60/090695	
55	PRIOR FILING DATE: 1998-06-25	
56	PRIOR APPLICATION NUMBER: 60/090696	
57	PRIOR FILING DATE: 1998-06-25	
58	PRIOR APPLICATION NUMBER: 60/090862	
59	PRIOR FILING DATE: 1998-06-26	
60	PRIOR APPLICATION NUMBER: 60/090863	
61	PRIOR FILING DATE: 1998-06-26	
62	PRIOR APPLICATION NUMBER: 60/091360	
63	PRIOR FILING DATE: 1998-07-01	
64	PRIOR APPLICATION NUMBER: 60/091478	
65	PRIOR FILING DATE: 1998-07-02	
66	PRIOR APPLICATION NUMBER: 60/091544	
67	PRIOR FILING DATE: 1998-07-01	
68	PRIOR APPLICATION NUMBER: 60/091519	
69	PRIOR FILING DATE: 1998-07-02	
70	PRIOR APPLICATION NUMBER: 60/091626	
71	PRIOR FILING DATE: 1998-07-02	
72	PRIOR APPLICATION NUMBER: 60/091633	
73	PRIOR FILING DATE: 1998-07-02	

```

; PRIOR APPLICATION NUMBER: 60/091978
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/091982
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

Query Match 14.2%; Score 78; DB 4; Length 570;
Best Local Similarity 100.0%; Pred. No. 7.1e-08;
Matches 78; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 474 GCGAGACCGGCTATTAAGACCTCTGCGCCGCGGAGCGCGAGGTCCTCCCGCGC 533
DB 1 GCGAGACCGGCTATTAAGACCTCTGCGCCGCGGAGCGCGAGGTCCTCCCGCGC 60
OY 534 GCCCGAGCGCCCGCGC 551
DB 61 GCCCGAGCGCCCGCGC 78

RESULT 2
PCT-US91-06532-1/c
; Sequence 1, Application PC/TUS9106532
; GENERAL INFORMATION:
; APPLICANT: Rolzman, Bernard
; TITLE OF INVENTION: Recombinant Herpes Simplex Viruses
; NUMBER OF SEQUENCES: 8
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Marshall, O'Toole, Gerstein, Murray &
; STREET: Two First National Plaza Suite 2100
; CITY: Chicago
; STATE: Illinois
; COUNTRY: USA
; ZIP: 60603
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US91/06532
; FILING DATE: 19910910
; CLASSIFICATION: 424
; ATTORNEY/AGENT INFORMATION:
; NAME: Gruber, Lewis S.
; REGISTRATION NUMBER: 30,060
; REFERENCE/DOCKET NUMBER: 27373/8235
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 312/346-5750
; TELEFAX: 312/984-9740
; TELEX: 25-3856
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 135 base pairs
; TYPE: NUCLEIC ACID
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; PCT-US91-06532-1

Query Match 9.0%; Score 49.4; DB 5; Length 1335;
Best Local Similarity 48.0%; Pred. No. 0.047; Indels 1; Gaps 1;
Matches 169; Conservative 0; Mismatches 182;

OY 169 GCGAGGAGCTCCCTACACGAGGAGGAGCTCCCTACACCGGCGCCAGCCTCGAGGGG 228
DB 723 GCGGCGAAGCGCACCGCGCGGGGTGCGGGGTCGCGGGGTGCGGGGTCGCGGG 664
OY 229 GCGGTCGGGTGAGACCGCAAGCGAAGGTGCGGGCGGGGTCGCGGAGACAA 288
DB 663 GGTTCGCGGGGTGCGGGGTGCGGGGTGCGGGGTGCGGGGTGCGGGGTGCGGG 604
```

```

OY 289 GCGCGGCTTCCTCTCAGAGGCGCCAGCGCTGCCAAGAGAGTCTCCAGGCC 348
DB 603 GCGCGCCCTCCCGCGCGCGGCTCCAGCGCGAGCGCGCGGCTGCTGCGTAC 544
OY 349 GCGGAGGAGAGGGGCGAGGCTTCCAGGCGCCCGCGCGAGCAGAGAGTTGGCCAG 408
DB 543 GCGCAGCGGAGGCGAGGCGCGCGCGCGAGGCGGAGGCGGTGAGAGGGGTGGAGG 484
OY 409 GCGCAGCGGAGGCGGAGCGCGGAGGCTTTCAGAGCGCGCGGCG- GAGCGCGCT 467
DB 483 GTTACCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 424
OY 468 GAGGCGGAGAGCGGCTATTAAGAGCTCTGTCCTTCGCGCGAGCGG 519
DB 423 GTTGGCGGCGCTCTGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 372

RESULT 3
US-09-103-840A-2
; Sequence 2, Application US/09103840A
; Patent No. 6294328
; GENERAL INFORMATION:
; APPLICANT: FLEISCHMAN, Robert D.
; APPLICANT: WHITE, Owen R.
; APPLICANT: ERASER, John C.
; APPLICANT: VENTER, Claire M.
; TITLE OF INVENTION: DNA SEQUENCES FOR STRAIN ANALYSIS IN MYCOBACTERIUM
; FILE REFERENCE: 24366-20007.00
; CURRENT APPLICATION NUMBER: US/09/103,840A
; CURRENT FILING DATE: 1998-06-24
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: Patent Ver. 2.1
; SEQ ID NO 2
; LENGTH: 4403765
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
; FEATURE:
; OTHER INFORMATION: CDC 1551
; OTHER INFORMATION: "n" bases at various positions throughout the sequence
; OTHER INFORMATION: represent a, t, c or g
US-09-103-840A-2

Query Match 8.9%; Score 48.8; DB 3; Length 4403765;
Best Local Similarity 46.7%; Pred. No. 0.081; Indels 11; Gaps 2;
Matches 231; Conservative 0; Mismatches 253;

OY 1 GCGCGGAGGCGCGCGGAGTGAGGCTGATGCTCTGCGCTCCACCTCCAGG 60
DB 841109 GCGGAGCGCGCGCGCGCGGCTCCACGAGCTGCGCGGCGGCGGCGGCGG 841168
OY 61 GCGAGAGGCGCGCGCGGAGACCGCCAGTGCGCGCGCTTCCACGCTGAGG 120
DB 841169 GCGGCGCGCGGAGAGCGCAGCATGCTGCGCGCGCGCGCGCGCGCGCG 841228
OY 121 CAGGAGCAGGAGCAGGAGTCCGCGCGCGCGCGCGCGCGCGCGCGCGG 180
DB 841229 ATTCTCGAAGCGGCTGCGACCGCGGCGGAGCGGCGCGCGCGCGCGCGG 841288
OY 181 CCCTCAGCAGGAGAGTCCCTCACCAGCGCGCGCGCGCGCGCGCGCGCG 237
DB 841289 TGGCGCGGAGGAGGAGCGGAGCGGCGGCTGCGGCAACTCACTGCGCGCGCGCG 841348
OY 238 GTGAGCGCAAGAGGAGTCCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 297
DB 841349 GCGCGCGGAGCGGAGCGGAGCGCTGCGCACTGTGATGCGCGCGCGCGCGCG 841408
OY 298 TGCGCTCTCAGAGGCGCGCGCGCTGCGCAAGAGAGTCTCGAGGCGCGCGAGG 357
DB 841409 CGCTAGTCTGAGGCGGAGTTCGCGGCGGAGCGAGCGAGCGCGCGCGCGATGTT 841468
OY 358 AGGCGGACGCGGCTTCCAGGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 412
```

Page 4

RESULT 5
US-09-103-840A-1
: Sequence 1, Application US/09103840A
: Patent No. 6294328
: GENERAL INFORMATION:

APPLICANT: DORNER, F.
APPLICANT: SCHEFLINGER, F.
APPLICANT: FALKNER, F. G.
RECOMBINANT FOWLPOX VIRUS
NUMBER OF SEEDS: 52
CORRESPONDENCE ADDRESS:
ADDRESSEE: Foley & Lardner
STREET: 1800 Diagonal Road, Suite 500
City: Alexandria

```
STATE: VA
COUNTY: USA
ZIP: 2213-0299
COMPUTER READABLE FORM:
MEDIUM TYPE: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION NUMBER: US/08/232,463
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/07/935,313
FILING DATE:
APPLICATION NUMBER: EP 91 114 300.6
FILING DATE: 26-AUG-1991
ATTORNEY/AGENT INFORMATION:
NAME: BENT, Stephen A.
REGISTRATION NUMBER: 29,768
REFERENCE/DOCKET NUMBER: 30472/114 IMMU
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703)836-9300
TELEFAX: (703)683-4109
TELEX: 899149
INFORMATION FOR SEQ ID NO: 14:
SEQUENCE CHARACTERISTICS:
LENGTH: 7218 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
IMMEDIATE SOURCE:
CLONE: PTZgpt-Fls
US-08-232-463-14

Query Match
Best Local Similarity 4.4%; Score 47.2; DB 1; Length 7218;
Matches 13; Conservative 171; Mismatches 114; Indels 0; Gaps 0;

QY 222 AGCGGGGGCGTGGGTGAGACCGCAAGCAGGTGGCGGCGGCGTGGCGTGGCGGCA 282
DB 1339 RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1280
QY 283 GACAAGCGCGGCGCTGCTCTCAGAGGCGCCCGCGCTGCCAAGAGAGTCTCG 342
DB 1279 RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1220
QY 343 AGCGCGCGCAGAGGCGGCGAGCGGCTCCAGGCGCGCGCGCGCAGCAGAGTT 402
DB 1219 RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1160
QY 403 GCGCAGGCGCGCGCTGAGCGAGCGGCGGCGGCTTCTCAGAGCGCGCGAGCGCG 462
DB 1159 RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1100
QY 463 GCGCTGAGGCGGCGAGGACCGGCTATAGAGCGCTGCGTGGCGCGGCGCGCG 520
DB 1099 RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1042

RESULT 7
US-08-458-912-1/c
; Sequence 1, Application US/08458912
; Patent No. 5650310
; GENERAL INFORMATION:
; APPLICANT: Broer, Inge
; APPLICANT: Hillemann, Doris
; APPLICANT: Puhler, Alfred
; APPLICANT: Wohlleben, Wolfgang
; APPLICANT: Donn, Gunter
; APPLICANT: Mullner, Hubert
; APPLICANT: Bartsch, Klaus
; TITLE OF INVENTION: DEACETYLASE GENES FOR THE PRODUCTION OF

TITLE OF INVENTION: PHOSPHINOTHRICIN OR
TITLE OF INVENTION: PHOSPHINOTHRICYL-ALANYL-ALANINE, AND THEIR USE
TITLE OF INVENTION: PROCESSES FOR THEIR ISOLATION, AND THEIR USE
NUMBER OF SEQUENCES: 1
CORRESPONDENCE ADDRESS:
ADDRESSER: Curtis, Morris & Safford
ADDRESSER: c/o William F. Lawrence
STREET: 530 Fifth Avenue
CITY: New York
STATE: New York
COUNTRY: United States of America
ZIP: 10036
COMPUTER READABLE FORM:
MEDIUM TYPE: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION NUMBER: US/08/458,912
FILING DATE: 02-JUN-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/926,498
FILING DATE: 07-AUG-1992
ATTORNEY/AGENT INFORMATION:
NAME: Lawrence, William F.
REGISTRATION NUMBER: 28,029
REFERENCE/DOCKET NUMBER: 514410-2882
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 840-0712
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 932 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-458-912-1

Query Match
Best Local Similarity 48.5%; Score 46.6; DB 1; Length 932;
Matches 144; Conservative 0; Mismatches 165; Indels 9; Gaps 1;

QY 184 TCACCGAGGAGAGTCCCTCCATCCCGCCCGCAGAGTCTCAGAGGCGGCGCTGAGTACA 243
DB 744 TCGTGATACAGACTTCTCCGAGACCGACTGTGATGACAGGCGGCGAGACCGCGTACGA 685
QY 244 CCGCAAGGAGAGTGGCGGCGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 303
DB 684 TCGCGTGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 625
QY 304 TCTCAGAGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 363
DB 624 TCTCAGAGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 565
QY 624 GCGATCGGAGCGAGTCTCTGCGTCCAGAGAGATCTGCGCTCTTCTGCGGATGACGTC 565
DB 364 CACGGGCTTCCCGAGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 423
QY 564 GAGCGCTCTCGAGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 505
DB 424 GAGG-----CGGCGAGGCGTCTCTCAGAGCGGCGGCGGCGGCGGCGGCGGCGGCGG 474
QY 504 GGGTCCCGCGGCGTGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 445
DB 475 CGAGACCGGGTATAGAGCGTCTGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 512
DB 444 TCACCGGAGAGGTGATCTCGCGCGCGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 407

RESULT 8
US-08-461-179-1/c
; Sequence 1, Application US/08461179
; Patent No. 5668297
; GENERAL INFORMATION:
```

```

APPLICANT: Broer, Inge
APPLICANT: Hillemann, Doris
APPLICANT: Puhler, Alfred
APPLICANT: Wohleben, Wolfgang
APPLICANT: Donn, Gunter
APPLICANT: Mullner, Hubert
APPLICANT: Bartsch, Klaus
TITLE OF INVENTION: DEACETYLASE GENES FOR THE PRODUCTION OF
TITLE OF INVENTION: PHOSPHINOTHRICYL-ALANINE
TITLE OF INVENTION: PHOSPHINOTHRICYL-ALANINE
NUMBER OF INVENTION: 1
NUMBER OF SEQUENCES: 1
CORRESPONDENCE ADDRESS:
ADDRESS: Curtis, Morris & Safford
ADDRESS: c/o William F. Lawrence
STREET: 530 Fifth Avenue
CITY: New York
STATE: New York
COUNTRY: United States of America
ZIP: 10036
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentln Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/461,179
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/926,498
FILING DATE: 07-AUG-1992
ATTORNEY/AGENT INFORMATION:
NAME: Lawrence, William F.
REGISTRATION NUMBER: 28,029
REFERENCE/DOCKET NUMBER: 514410-2882
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 840-3333
TELEFAX: (212) 840-0712
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 932 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-461-179-1

Query Match
Best Local Similarity 8.5%; Score 46.6; DB 1; Length 932;
Matches 164; Conservative 0; Mismatches 165; Indels 9; Gaps 1;

QY 184 TCACNAGAGGAAGTCTCCCTACCGCCAGCCCTTCAGAGGGGCGCGTGGGTGAGA 243
DB 744 TCGTGACAGAGCTTCTCGGAACCGACTGATGAGCAGGGGGGCGACGCGTGAGA 685
QY 244 CCGCAAGCGAAGTGTGGGCGCGGGGTGGCTTCGCGAGACAAAGCGCGCTGCTC 303
DB 684 TCGCGGTGGGGGGGAGGCGGAGGAGGCTTCGAGTGGGCGCGGCGCAGTAGCGCCC 625
QY 304 TCTCAGAGGGGCCAGCGCCCTGCGCAAGAGAGTCTCGAGGGCGCGGCGAGGAGGGG 363
DB 624 GCATGCGGACAGTCTCGGTCTCCAGAGAGATCTCGGCTCTTGGCGGTGAGCTGC 565
QY 364 CACGAGGCTTCCAGAGCGCCCGCGCGCGCAGCAGAAAGTTGGCCAGGCGCGCTGAC 423
DB 564 GAGCGCCCTTCGAGGCGCGGCGCGCGCGCGAGATGACACACCGCGCGCGCGCGCAGC 505
QY 424 GGAG-----CGGCGAGGCTTCTCAGAGCGCGGCGAGAGCGCGCGCGTGGAGGG 474
DB 504 GGTGTCGCGGAGTGTGCGTCTCGGTCTCCAGAGGCGCGCGCGCGAGCGCGCGCGCG 445
QY 475 CGAGAGCGGCTTAAAGAGCTCTGTGGCTTGGCCCGG 512

```

```

DB 444 TCACGCGGAGAGTGATCGCGCCCGGCGGCGAGGCCCGG 407

RESULT 9
US-08-459-254-1/c
Sequence 1, Application US/08459254
Patent No. 5767370
GENERAL INFORMATION:
APPLICANT: Broer, Inge
APPLICANT: Hillemann, Doris
APPLICANT: Puhler, Alfred
APPLICANT: Wohleben, Wolfgang
APPLICANT: Donn, Gunter
APPLICANT: Mullner, Hubert
APPLICANT: Bartsch, Klaus
TITLE OF INVENTION: DEACETYLASE GENES FOR THE PRODUCTION OF
TITLE OF INVENTION: PHOSPHINOTHRICYL-ALANINE
TITLE OF INVENTION: PHOSPHINOTHRICYL-ALANINE
NUMBER OF INVENTION: 1
NUMBER OF SEQUENCES: 1
CORRESPONDENCE ADDRESS:
ADDRESS: Curtis, Morris & Safford
ADDRESS: c/o William F. Lawrence
STREET: 530 Fifth Avenue
CITY: New York
STATE: New York
COUNTRY: United States of America
ZIP: 10036
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentln Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/459,254
FILING DATE: 02-JUN-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/926,498
FILING DATE: 07-AUG-1992
ATTORNEY/AGENT INFORMATION:
NAME: Lawrence, William F.
REGISTRATION NUMBER: 28,029
REFERENCE/DOCKET NUMBER: 514410-2882
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 840-3333
TELEFAX: (212) 840-0712
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 932 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-459-254-1

Query Match
Best Local Similarity 8.5%; Score 46.6; DB 1; Length 932;
Matches 164; Conservative 0; Mismatches 165; Indels 9; Gaps 1;

QY 184 TCACNAGAGGAAGTCTCCCTACCGCCAGCCCTTCAGAGGGGCGCGTGGGTGAGA 243
DB 744 TCGTGACAGAGCTTCTCGGAACCGACTGATGAGCAGGGGGGCGACGCGTGAGA 685
QY 244 CCGCAAGCGAAGTGTGGGCGCGGGGTGGCTTCGCGAGACAAAGCGCGCTGCTC 303
DB 684 TCGCGGTGGGGGGGAGGCGGAGGAGGCTTCGAGTGGGCGCGGCGCAGTAGCGCCC 625
QY 304 TCTCAGAGGGGCCAGCGCCCTGCGCAAGAGAGTCTCGAGGGCGCGGCGAGGAGGGG 363
DB 624 GCATGCGGACAGTCTCGGTCTCCAGAGAGATCTCGGCTCTTGGCGGTGAGCTGC 565
QY 364 CACGAGGCTTCCAGAGCGCCCGCGCGCGCAGCAGAAAGTTGGCCAGGCGCGCTGAC 423

```


Qy	327	CAGAGGAGAGTCTGAGGCGCGGCGCA- -GGAAGGGGAGCGCGCTTCCAGAGCGCCG	384
Db	335	TTGCGGGAGAGGCTCTGCTGGCCCCCGGCGGGGCGGCGCGCGCGCGCGCGCGCGCG	276
Qy	385	CGGCGGACAGAGAGATTGCGAGGGCGCGCGCGTTCAGAGCGCGCGCGCTTCTCA	444
Db	275	TGTCGCCGGGGCGAGCAGCAGCAGAGACGCGCGCGGTACGACAGCAGAGACA	216
Qy	445	GGAGCGCGGGCGAGCGCGCGCTTGAGAGGGCGAGACCGGGTATAGAGCCTCTGCGCC	504
Db	215	GCGCTGCGGAGCGCCAGCAGACCTCTATCTTTCGCGCGCCACCGCGCGCGCGCG	156
Qy	505	TTGCGCGGAGCGCGAGTTCCCGCGCGCGCGCGAG	541
Db	155	CTGCGCGCGAGCCTCATGCGCCCGGAGCGCGCG	119
RESULT	12	US-08-814-095-7	
		Sequence 7, Application US/08814095	
		Patent No. 6025183	
		GENERAL INFORMATION:	
		APPLICANT: Soteg, Hermona	
		APPLICANT: Zakut, Haim	
		APPLICANT: Shani, Moshe	
		TITLE OF INVENTION: TRANSGENIC ANIMAL ASSAY SYSTEM FOR	
		TITLE OF INVENTION: ANTI-CHOLINESTERASE SUBSTANCES	
		NUMBER OF SEQUENCES: 7	
		CORRESPONDENCE ADDRESS:	
		ADDRESSEE: KOHN & ASSOCIATES	
		STREET: 30500 No. 6025183Western Highway, Suite 410	
		CITY: Farmington Hills	
		STATE: Michigan	
		COUNTRY: U.S.	
		ZIP: 48334	
		COMPUTER READABLE FORM:	
		MEDIUM TYPE: IBM PC compatible	
		COMPUTER: IBM PC compatible	
		OPERATING SYSTEM: PC-DOS/MS-DOS	
		SOFTWARE: Patent in Release #1.0, Version #1.30	
		CURRENT APPLICATION DATA:	
		APPLICATION NUMBER: US/08/814.095	
		FILING DATE:	
		CLASSIFICATION: 800	
		ATTORNEY/AGENT INFORMATION:	
		NAME: Montgomery, Ilene N.	
		REGISTRATION NUMBER: 38,972	
		REFERENCE/DOCKET NUMBER: 2391.00066	
		TELECOMMUNICATION INFORMATION:	
		TELEPHONE: (248) 539-5050	
		TELEFAX: (248) 539-5055	
		INFORMATION FOR SEQ. ID NO: 7:	
		SEQUENCE CHARACTERISTICS:	
		LENGTH: 35060 base pairs	
		TYPE: nucleic acid	
		STRANDEDNESS: double	
		TOPOLOGY: linear	
		MOLECULE TYPE: other nucleic acid	
		DESCRIPTION: /desc = "Cosmid including ACHE	
		DESCRIPTION: promoter, ACHE gene and ARS gene"	
		HYPOTHETICAL: NO	
		ANTI-SENSE: NO	
		ORGANISM: Homo sapiens	
		POSITION IN GENOME:	
		CHROMOSOME/SEGMENT: 7q22	
		FEATURE:	
		NAME/KEY: promoter	
		LOCATION: 4089..22464	
		OTHER INFORMATION: /function= "ACHE Promotor"	
		OTHER INFORMATION: /standard_name= "ACHE Promotor"	
		FEATURE:	
		NAME/KEY: exon	
		LOCATION: complement (33493..33591)	
		OTHER INFORMATION: /gene= "AR"	
		OTHER INFORMATION: /number= 4	
		FEATURE:	
		NAME/KEY: exon	
		LOCATION: complement (33779..33963)	
		OTHER INFORMATION: /gene= "AR"	
		OTHER INFORMATION: /number= 3	
		FEATURE:	
		NAME/KEY: exon	
		LOCATION: complement (34528..34895)	
		OTHER INFORMATION: /function= "arsenite resistance	
		OTHER INFORMATION: /gene= "ACHE"	
		OTHER INFORMATION: /number= 6	
		FEATURE:	
		NAME/KEY: terminator	
		LOCATION: 28129..28131	
		FEATURE:	
		NAME/KEY: exon	
		LOCATION: 28008..28129	
		IDENTIFICATION METHOD: experimental	
		OTHER INFORMATION: /evidence= EXPERIMENTAL	
		OTHER INFORMATION: /gene= "ACHE"	
		OTHER INFORMATION: /number= 5	
		FEATURE:	
		NAME/KEY: terminator	
		LOCATION: 27385..27387	
		FEATURE:	
		NAME/KEY: exon	
		LOCATION: 28008..28129	
		IDENTIFICATION METHOD: experimental	
		OTHER INFORMATION: /evidence= EXPERIMENTAL	
		OTHER INFORMATION: /gene= "ACHE"	
		OTHER INFORMATION: /number= 4	
		FEATURE:	
		NAME/KEY: exon	
		LOCATION: 27255..28007	
		IDENTIFICATION METHOD: experimental	
		OTHER INFORMATION: /evidence= EXPERIMENTAL	
		OTHER INFORMATION: /gene= "ACHE"	
		OTHER INFORMATION: /number= 3	
		FEATURE:	
		NAME/KEY: exon	
		LOCATION: 25524..26009	
		IDENTIFICATION METHOD: experimental	
		OTHER INFORMATION: /evidence= EXPERIMENTAL	
		OTHER INFORMATION: /gene= "ACHE"	
		OTHER INFORMATION: /number= 2	
		FEATURE:	
		NAME/KEY: exon	
		LOCATION: 24909..25177	
		IDENTIFICATION METHOD: experimental	
		OTHER INFORMATION: /function= "(translation start:	
		OTHER INFORMATION: /evidence= EXPERIMENTAL	
		OTHER INFORMATION: /gene= "ACHE"	
		OTHER INFORMATION: /number= 1	
		FEATURE:	
		NAME/KEY: exon	
		LOCATION: 22465..22537	
		IDENTIFICATION METHOD: experimental	
		OTHER INFORMATION: /function= "non-translated"	
		OTHER INFORMATION: /evidence= EXPERIMENTAL	
		OTHER INFORMATION: /gene= "ACHE"	
		OTHER INFORMATION: /number= 1	

```

OTHER INFORMATION: /number= 5
FEATURE:
NAME/KEY: exon
LOCATION: complement (32959..33094)
OTHER INFORMATION: /gene= "AR"
OTHER INFORMATION: /number= 6
FEATURE:
NAME/KEY: exon
LOCATION: complement (32569..32628)
OTHER INFORMATION: /gene= "AR"
OTHER INFORMATION: /number= 7
FEATURE:
NAME/KEY: exon
LOCATION: complement (32386..32468)
OTHER INFORMATION: /gene= "AR"
OTHER INFORMATION: /number= 8
FEATURE:
NAME/KEY: exon
LOCATION: complement (31894..32080)
OTHER INFORMATION: /gene= "AR"
OTHER INFORMATION: /number= 9
FEATURE:
NAME/KEY: exon
LOCATION: complement (31363..31534)
OTHER INFORMATION: /gene= "AR"
OTHER INFORMATION: /number= 10
FEATURE:
NAME/KEY: exon
LOCATION: complement (31131..31284)
OTHER INFORMATION: /gene= "AR"
OTHER INFORMATION: /number= 11
FEATURE:
NAME/KEY: exon
LOCATION: complement (30816..31011)
OTHER INFORMATION: /gene= "AR"
OTHER INFORMATION: /number= 12
FEATURE:
NAME/KEY: exon
LOCATION: complement (30470..30626)
OTHER INFORMATION: /gene= "AR"
OTHER INFORMATION: /number= 13
FEATURE:
NAME/KEY: exon
LOCATION: complement (30187..30274)
OTHER INFORMATION: /gene= "AR"
OTHER INFORMATION: /number= 14
FEATURE:
NAME/KEY: exon
LOCATION: complement (29945..30073)
OTHER INFORMATION: /gene= "AR"
OTHER INFORMATION: /number= 15
FEATURE:
NAME/KEY: exon
LOCATION: complement (29664..29856)
OTHER INFORMATION: /gene= "ARs"
OTHER INFORMATION: /number= 16
US-08-814-095-7

Query Match
Best Local Similarity 46.8%; Score 45.8; DB 3; Length 35060;
Matches 176; Conservative 0; Mismatches 198; Indels 2; Gaps 1;

OY 151 CCCCCCCCCCTGCGCTGGCGCGAGGAGCCTCCCTCACGCGGGAAGCTCCCTCCACCCG 210
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 28265 CCGCGCTCTGCTGATGTCACAGCTGAGCTGCTCCCTCCCGCGCTGCTTGGCCCTCTGG 28324
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
OY 211 GCCCAGCCCTGCGAGGGGGGGCGGTGAGTCAAGCCGCAAGCGGAAGTCCGCGCGGGGT 270
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 28325 GGTGCCAATTAACCTGTACAGCCAGCGGAGTGTGTGCGGCACTGAGGAGCCAGGGGTAGAGG 28384
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
OY 271 GGGCTCTGCGGAGACAAGAGCGGGGCTGCTCTCTCAGAGGGGCCCCAGCGCTTCCCAAG 330
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 28385 CAGAAGCGCGGATTCACGGGGGGCGGAGTCTATGCAAGAGCGGGGCTGGAGGGCAAGAAC 28444

```

```

OY 331 AGAAGTCTCTGAGGCCCGGCGCAGGAGAGGGGCGCTTCCAGGCGCCCGCGGCG 390
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 28445 AGCGAGCTCCGAGCGGGGCGCAAGGCAAGGCCAACCCCTAGCCCTGCGCTGCGGGCG 28504
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
OY 391 CAGAGGAACTTGGCCA--GGGCACGGCCCTGAGCGGAGCGGGCGAGGCTTCTCAGAG 448
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 28505 GAGCTCGGCGCTGCTAATGAGGCGCCGACAGGCTAGCTGCGACGGCGAGAGGAGGA 28564
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
OY 449 CCGCGGCGAGGCGCGCTGAGAGGGCGAGGACCGGCTATTAAGACCTCTGCGCTTCC 508
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 28565 GAGGAGGAGGAGGAGGAGGAGGCGGCGCGCGCGCGAGCAGCTTGTGGAGCTC 28624
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
OY 509 CCGGCGACCGCAGGT 524
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 28625 CTCGCTCGCTGCGGT 28640
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

RESULT 13
US-08-483-533-4
; Sequence 4, Application US/08483533
; Patent No. 6172047
; GENERAL INFORMATION:
; APPLICANT: Roizman, Bernard
; APPLICANT: Chou, Joany
; TITLE OF INVENTION: Method for Treating Tumorigenic
; TITLE OF INVENTION: Diseases
; NUMBER OF SEQUENCES: 43
; CORRESPONDENCE ADDRESSES:
; ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
; STREET: 6300 Sears Tower, 233 South Wacker Drive
; CITY: Chicago
; STATE: Illinois
; COUNTRY: United States of America
; ZIP: 60606-6402
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/483,533
; FILING DATE: 07-MAR-95
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/419,853
; FILING DATE: 11-APR-95
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/861,233
; FILING DATE: 31-MAR-92
; ATTORNEY/AGENT INFORMATION:
; NAME: Zeller, James P.
; REGISTRATION NUMBER: 28,491
; REFERENCE/DOCKET NUMBER: 28097/32742
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 312/474-6300
; TELEFAX: 312/474-0448
; TELEX: 25-3856
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 595 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; US-08-483-533-4

Query Match
Best Local Similarity 46.2%; Score 45.4; DB 3; Length 595;
Matches 183; Conservative 0; Mismatches 212; Indels 1; Gaps 1;

OY 23 TGAGGCTATGCTCTCTGCGCTTCCACCTCCAGCGCAGAAAGGGCGCCAGAGGAC 82
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

```

Db 50 TCAGGCCCTTCGCGCCCTTCGCGCGCGCGCTGCGCCCTTCGCGCTTCGCGGTCACCGCAGAGCAC 109

QY 83 CCCCAGTGGCCGAGCTTGGCCACGATCTTGGGATCAAGAGGACAGGAGACAGGAGCCAGGAAAC 142

Db 110 CTGGCGGGCTTCGCGCCCTGCGACGCGGGGCGGGAGGGGGCGCGGAGCCCCCGCGCAC 169

QY 143 TGGCCGCGCCGCGCCCTTCGCGCTTGGCGCGAGGAAAGTCCCTCAACGAGGAGGAAGTCCC 202

Db 170 CCGCGACACCCCTCGCGACCCCGCGACCCCGCGACCCCGCGACCCCGCGACCCCGCG 229

QY 203 CTGACCGCGCGACCCCTCGAGGGGGCGCGTGGGGTTCAGACCGCAAGCGAAAGTTCGG 262

Db 230 ACCCCGCGACCCCGCGGACCCCGCGGGGGTGGCGCTTTCGCCCCACGCTCGGGTGGCG 289

QY 263 GCGGGGTGGGCTCG - GGAAGACAAAGAGCGCGGCTTCGCTCTTCAGAGGGCGCCCAAG 321

Db 290 CACCTGTGTGTGGGCTCTGGGCTCGGCGCCCGCTTGGCGCGCCCGGCTGTGGGGCCCGAG 349

QY 322 CTGTGCAAGAGAAAGTCTCGAGGCCCGGCGCAGGAAAGGGAGCACGGATCTCCAGAGGCC 381

Db 350 CGGGCGGACCGGCTCGGTTCGGGGCGGGTGGCGGAGCGCAGAGGGGTATCGGGCG 409

QY 382 CGCGGGCGCGACAGAAAGTTGGCCAGGGCACGGCC 417

Db 410 TGGCTTGGGCGCGAGAGGCCCGGTGCGGGCGCTTGGGC 445

RESULT 14	471A-4	US-09-283-471A-4	Sequence 4, Application US/09283471A
		Patent No. 6340573	GENERAL INFORMATION:
		APPLICANT: Reizman, Bernard	
		APPLICANT: Chou, Joany	
		TITLE OF INVENTION: Method For Treating Tumorigenic Diseases	
		NUMBER OF SEQUENCES: 43	
		CORRESPONDENCE ADDRESS:	
		ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun	
		STREET: 6300 Sears Tower, 233 South Wacker Drive	
		CITY: Chicago	
		STATE: Illinois	
		COUNTRY: United States of America	
		ZIP: 60606-6402	
		COMPUTER READABLE FORM:	
		MEDIUM TYPE: Floppy disk	
		COMPUTER: IBM PC compatible	
		OPERATING SYSTEM: PC-DOS/MS-DOS	
		CURRENT APPLICATION DATA: Patent Release #1.0, Version #1.25	
		APPLICATION NUMBER: US/09/283,471A	
		FILING DATE: 04-APR-1999	
		CLASSIFICATION: 514	
		PRIOR APPLICATION DATA:	
		APPLICATION NUMBER: 07/861,233	
		FILING DATE: 31-MAR-1992	
		PRIOR APPLICATION DATA:	
		APPLICATION NUMBER: 11-08/419,853	
		FILING DATE: 11-APR-1995	
		PRIOR APPLICATION DATA:	
		APPLICATION NUMBER: 08/483,533	
		FILING DATE: 07-JUN-1995	
		ATTORNEY/AGENT INFORMATION:	
		NAME: Zeller, James P.	
		REGISTRATION NUMBER: 28,491	
		REFERENCE/DOCKET NUMBER: 27373/32742A	
		TELECOMMUNICATION INFORMATION:	
		TELEPHONE: 312/474-6300	
		TELEFAX: 312/474-0448	
		TELEX: 25-3856	
		INFORMATION FOR SEQ ID NO: 4:	
		SEQUENCE CHARACTERISTICS:	
		LENGTH: 595 base pairs	
		TYPE: nucleic acid	

```

; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
US-09-283-471A-4

```

Query Match	8.28;	Score 45.4;	DB 4;	Length 595;
Best Local Similarity	46.2%;	Pred. No. 0.3;		
Matches 183; Conservative	0;	Mismatches 212;	Indels 1;	Gaps 1;

21 TACGAGCCCTGATGCTGCTCCGAGGGGCTCCACCTCCCGACAGGCGCAGAAAGCGCCGACAGAGAC 82
 50 TACGAGCCCTGATGCTGCTCCGAGGGGCTCCACCTCCCGACAGGCGCAGAAAGCGCCGACAGAGAC 10
 83 CCCCAGTGGCCAGAGGTTGGCCACGGTCTGGGATCATAGAGGCGAGGAGACCAAGGAGGACCCAGAGAC 14
 Db CTGGGCGCCCTGCGCCCTGGCGACGGCGGGGAGGGGAGGGGAGCGCGGAGCGCCGAGCCCGCCGAC 16
 QY 110 CTGGGCGCCCTGCGCCCTGGCGACGGCGGGGAGGGGAGGGGAGCGCGGAGCGCCGAGCCCGCCGAC 16
 QY 143 TGGCGCGGCCCTGGCCCTGGCGGCGGAGGGAACCTCCCTACCCNAGGAGAACTCC 20
 Db 170 CCGCGGACCCCGCGGAGCCCGCGGACCCCGCGGACCCCGCGGACCCCGCGGACCCCGCGG 22
 QY 203 CTCACCCGGGCGCAACCCCTGCAGGGGGGGGGGGTGGGGTTCGACACCGGAAAGCGAAGTGGG 26
 Db 210 ACCCCCGCGAACCCCGCGACCCCGCGGGGGTGGCTTCGCGCCCGACGATCCGGGTGGC 28
 QY 263 GCGGGGGTGGGCTTCG-CGGAGACAAAGGCGGGGCTCTCTCTCAAGGGGCCCCAGC 32
 Db 290 CACCTGGTGGTCTGGGGCTTGCGCCGCCGCCCTTCGGCGCGCGCGGCTCTTGGGCGCGGAG 34
 QY 322 CTGCGCAAGAGGAAGTCTCTGAGGCGCCCGGGGAGGAGGAAGGGGGCACGGGCTTCCAGGGCC 38
 Db 350 CGGCGCAGCGGGCTGGTTCCGGCGGCCCGGGTGGCGGAGCGGAGCGGATCGATCGCGCG 40
 QY 382 CGCGCGCGCGAGGAGGAATTTGGCCAGGGGACGGCC 41
 Db 410 TGCCTGGGCGCGAGGCGCCGTGCGCGGGGCGCTGGCC 44

15 RESULT
 US-08-483-533-36
 Sequence 36, Application US/08483533
 Patent No. 6172047
 GENERAL INFORMATION:
 APPLICANT: Roizman
 APPLICANT: Chou, Joany
 TITLE OF INVENTION: Method for Treating Tumorigenic
 TITLE OF INVENTION: Diseases
 NUMBER OF SEQUENCES: 43
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Marshall
 STREET: 6300 Sears tower, 233 South Wacker Drive
 CITY: Chicago
 STATE: Illinois
 COUNTRY: United States of America
 ZIP: 60606-6402
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/483,533
 FILING DATE: 07-MAR-95
 CLASSIFICATION: 514
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/419,853
 FILING DATE: 11-APR-95
 PRIOR APPLICATION DATA: 07/861,233
 FILING DATE: 31-MAR-92
 ATTORNEY/AGENT INFORMATION:
 NAME: Zeller, James P.
 REGISTRATION NUMBER: 28,491

REFERENCE/DOCKET NUMBER: 28097/32742
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 312/474-6300
 TELEFAX: 312/474-0448
 TELEX: 25-3856
 INFORMATION FOR SPO ID NO: 36:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 1327 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: DNA (genomic)
 US-08-483-533-36

Query Match 8.2%; Score 45.4; DB 3; Length 1327;
 Best Local Similarity 46.2%; Pred. No. 0.31; Indels 1; Gaps 1;
 Matches 183; Conservative 0; Mismatches 212;

OY	23	TGAGGCGCTGATGCTGCTGCGCCTCCACCTGCCAGGCGCAGAAAGCGCCACGAGGAC	82
DB	491	TCACGCCCCCTTCGCGCTTCGCGCGCGCGCTCCGCTCCGCTCAGCGAGAGCAC	550
OY	83	CCCCAGTGCCTGACGTTGCCAGGTTGGGATCAGAGGACAGGGAGCCAGGAAAC	142
DB	551	CTGGGCGCGCTGCGCGCTGCGAGCGCGGCGGGAGGGGCGCGAGCCCGCGAGCC	610
OY	143	TGCGGCG	202
DB	611	CCCCGAGACCCCGCGGACCCCGCGGACCCCGCGGACCCCGCGGACCCCGCGGCG	670
OY	203	CTGACCG	262
DB	671	ACCGCGGACCCCGCGGACCCCGCGGCGCGCGCGCGCGCGCGCGCGCGCGCGCG	730
OY	263	GCGGCGGCG	321
DB	731	CACCTGT	790
OY	322	CCTGCCAAGAGAAAGTCTCGAGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG	381
DB	791	CGGGCGCGAGCGGCTCGGTTCCGGGCGCGCGCGCGCGCGCGCGCGCGCGCGCG	850
OY	382	CGCGGCG	417
DB	851	TGCGT	886

Search completed: September 20, 2003, 01:41:14
 Job time : 89.9316 secs



-
-
-
-



XX PT Diagnosing and/or determining a predisposition to a cellular
 PT Proliferative disorder of breast tissue, in particular breast cancer,
 PT by determining the state of methylation of one or more nucleic acids
 PT isolated from the subject
 PS
 XX Disclosure: Fig 9A; 115pp; English.
 CC The present invention relates to a method of diagnosing a cellular
 CC Proliferative disorder of breast tissue, which involves determining the
 CC state of methylation of one or more nucleic acids isolated from the
 CC subject, where the state of methylation of the nucleic acids as compared
 CC with a state of methylation from a subject not having of a cellular
 CC Proliferative disorder of breast tissue is indicative of a cellular
 CC Proliferative disorder of breast tissue in the subject. The nucleic acids
 CC may be TWIST, HOXA5, NES-1, retinoic acid receptor beta (RARbeta),
 CC oestrogen receptor, cyclin D2, Wt1, tumour gene (WT-1), 14.3.3 sigma,
 CC HIN-1 or RASBP1A. The method is useful for diagnosing and/or determining
 CC a predisposition to a cellular proliferative disorder, in particular
 CC breast cancer including ductal carcinoma in situ, lobular carcinoma,
 CC colloid carcinoma, tubular carcinoma, medullary carcinoma, metastatic
 CC carcinoma, intraductal carcinoma in situ, lobular carcinoma in situ and
 CC papillary carcinoma in situ. The present sequence is a gene fragment used
 CC in the exemplification of the invention.
 XX
 SQ Sequence 1794 BP; 240 A; 646 C; 522 G; 318 T; 68 other;
 Query Match 154.2%; Score 298.4; DB 24; Length 1794;
 Best Local Similarity 92.6%; Pred. No. 2.6e-49;
 Matches 302; Conservative 0; Mismatches 24; Indels 0; Gaps 0;
 QY 226 GGGGCGCTGGGTGTCAGACCCGCAAGCGAGTCGGGCGGCTCGCGAGAC 285
 Db 846 GGGGCGCTGGGTGTCAGACCCGCAAGCGAGTCGGGCGGCTCGCGAGAC 905
 QY 286 AAAGCGCGGCTGCTCTCTCAGAGGGCCCGCAGCGCTGCGCAAGAGAGTCTCGAG 345
 Db 906 AAAGCGCGGCTGCTCTCTCAGAGGGCCCGCAGCGCTGCGCAAGAGAGTCTCGAG 965
 QY 346 CCGGGGCGAGGAGGAGGCGGCTTCCAGGGCCCGCGCGCCGAGCAAGAGTGGC 405
 Db 966 CCGGGGCGAGGAGGAGGCGGCTTCCAGGGCCCGCGCGCCGAGCAAGAGTGGC 1025
 QY 406 CAGGCGAGCGCTGTAGGCGAGGCGGCTTTCAGAGAGGCGGCGAGGCGGCG 465
 Db 1026 CAGGCGAGCGCTGTAGGCGAGGCGGCTTTCAGAGAGGCGGCGAGGCGGCGG 1085
 QY 466 CTGGAGGGGCGAGGAGCGCGGTATTAAGAGCTCTGCTGCTGCGGCGAGCGGAGTT 525
 Db 1086 CTGGAGGGGCGAGGAGCGCGGTATTAAGAGCTCTGCTGCTGCGGCGAGCGGAGTT 1145
 QY 526 CCGCGCGCGCGCGCGAGCCCGCGCGC 551
 Db 1146 CCGCGCGCGCGCGCGAGCCCGCGCGC 1171
 RESULT 2
 AAV54620
 ID AAV54620 standard; cDNA; 562 BP.
 XX
 XX AAV54620;
 AC
 XX 25-MAR-2003 (updated)
 DT 30-OCT-1998 (first entry)
 XX
 DE LU105 specific consensus polynucleotide sequence.
 XX
 KM LU105; lung disease marker; immunoassay; lung disease; cancer;
 KM blood; plasma; serum; ss.
 XX
 XX Homo sapiens.
 XX
 FH Key Location/Qualifiers

FT CDS 122..436
 FT /*tag= a
 FT /transl_except= (pos:176..178, aa:Val)
 FT /product= "LU105 polypeptide"
 XX
 XX MO9833926-A1.
 XX
 XX 06-AUG-1998.
 XX
 XX 30-JAN-1998; 98MO-US01766.
 XX
 XX 31-JAN-1997; 97US-0791710.
 XX
 XX (ABBO) ABBOTT LAB.
 XX
 XX Billing-medel PA, Cohen M, Colpitts TL, Friedman PN, Gordon J;
 PI Granados EN, Hodges SC, Klass MR, Kratochvil JD, Robertsrapp L;
 PI Russell JC, Stroupe SD;
 XX
 DR WPI; 1998-437479/37.
 XX
 DR P-PSDB; AAW75868.
 XX
 PT New nucleic acid for the lung disease marker LU105 - polypeptides,
 PT antibodies and genes, used for diagnosis, prevention, treatment of
 PT lung disease, specifically cancer
 XX
 XX
 PS Claim 11; Fig 1; 123pp; English.
 CC
 CC Sequences shown in AAV54616 to AAV54621 represent LU105 specific
 CC polynucleotide sequences. These are used in the method of the invention
 CC for detecting target LU105 nucleic acid. The method comprises treating a
 CC sample with at least one LU105 specific nucleic acid, or its complement
 CC which is at least 50 percent identical with the LU105 specific nucleic
 CC acid sequences (AAV54616 to AAV54621). LU105 is a lung disease marker.
 CC Cells transformed with a recombinant expression system that contains
 CC LU105 specific nucleic acid fragments, are used to express recombinant
 CC LU105 polypeptides which are used to raise antibodies. The antibodies are
 CC used to detect the LU105 antigen, and correspondingly this antigen is
 CC used to detect specific antibodies, in usual immunoassays. The LU105
 CC polypeptides and nucleic acid sequences are used for diagnosis, staging,
 CC monitoring, prognosis, prevention, treatment and determination of
 CC susceptibility to, lung disease, specifically cancer. The LU105
 CC polypeptides are also used to screen for specific binding agents, useful
 CC therapeutically. LU105 is a marker for lung disease (present at high
 CC concentration, in altered form or in an unusual body compartment). LU105
 CC can be detected in blood, plasma or serum in an inexpensive, non-invasive
 CC test.
 CC (updated on 25-MAR-2003 to correct PI field.)
 CC
 SQ Sequence 562 BP; 82 A; 200 C; 192 G; 86 T; 2 other;
 Query Match 21.8%; Score 120; DB 19; Length 562;
 Best Local Similarity 99.2%; Pred. No. 1.1e-14;
 Matches 120; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 431 GCAGGCGCTTCTCAGAGAGCGGCGGAGCGGCTGTGAGGGCGGAGACCGGGTATAA 490
 Db 1 GCAGGCGCTTCTCAGAGAGCGGCGGAGCGGCTGTGAGGGCGGAGACCGGGTATAA 60
 QY 491 GAAGCCTGTGGCCCTTGGCCGCGAGCGAGGTTCCCGCGCGCCCGAGCCCGCGCGC 550
 Db 61 GAAGCCTGTGGCCCTTGGCCGCGAGCGGAGGTTCCCGCGCGCCCGAGCCCGCGCGC 120
 QY 551 C 551
 Db 121 C 121
 RESULT 3
 AAV54616
 ID AAV54616 standard; cDNA; 190 BP.
 XX
 XX AAV54616;
 AC

XX 25-MAR-2003 (updated)
 DE 30-OCT-1998 (first entry)
 XX LU105 specific polynucleotide sequence from clone 3353867.
 DE LU105: lung disease marker; immunoassay; lung disease; cancer;
 XX blood; plasma; serum; ss.
 KM Homo sapiens.
 XX WO9833926-A1.
 PN 06-AUG-1998.
 PD 30-JAN-1998; 98WO-US01766.
 XX 31-JAN-1997; 97US-0791710.
 PR (ABBO) ABBOTT LAB.
 XX Billing-medel PA, Cohen M, Colpitts TL, Friedman PN, Gordon J;
 PI Granados EN, Hodges SC, Klass MR, Kirochvill JD, Robertarapp L;
 PI Russell JC, Strophe SD;
 XX WPI: 1998-437479/37.
 XX New nucleic acid for the lung disease marker LU105 - polypeptides,
 PT antibodies and genes, used for diagnosis, prevention, treatment of
 PT lung disease, specifically cancer
 PS Claim 11; Fig 1; 123pp; English.
 XX Sequences shown in AAV54616 to AAV54621 represent LU105 specific
 CC polynucleotide sequences. These are used in the method of the invention
 CC for detecting target LU105 nucleic acid. The method comprises treating a
 CC sample with at least one LU105 specific nucleic acid, or its complement
 CC which is at least 50 percent identical with the LU105 specific nucleic
 CC acid sequences (AAV54616 to AAV54621). LU105 is a lung disease marker.
 CC Cells transformed with a recombinant expression system that contains
 CC LU105 polypeptides which are used to raise antibodies. The antibodies are
 CC used to detect the LU105 antigen, and correspondingly this antigen is
 CC used to detect specific antibodies, in usual immunoassays. The LU105
 CC polypeptides and nucleic acid sequences are used for diagnosis, staging,
 CC monitoring, prognosis, prevention, treatment and determination of
 CC susceptibility to, lung disease, specifically cancer. The LU105
 CC polypeptides are also used to screen for specific binding agents, useful
 CC therapeutically. LU105 is a marker for lung disease (present at high
 CC concentration, in altered form or in an unusual body compartment). LU105
 CC can be detected in blood, plasma or serum in an inexpensive, non-invasive
 CC test.
 CC (updated on 25-MAR-2003 to correct PI field.)
 XX Sequence 190 BP; 18 A; 69 C; 67 G; 32 T; 4 other;
 SQ
 Query Match 21.2%; Score 117; DB 19; Length 190;
 Best Local Similarity 96.7%; Pred. No. 4.3e-14;
 Matches 117; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
 QY 431 GAGAGCTTCTCAGACAGCGGCGGAGCGGCGCTGAGAGCGGAGACCGGATATA 490
 DB 1 GAGAGCTTCTCAGAGCGGCGGAGCGGCGGCGCTGAGAGCGGAGACCGGATATA 60
 QY 491 GAGAGCTTCTCAGAGCGGCGGAGCGGAGCGGCGGCGGCGGAGCGGCGGCGG 550
 DB 61 GAGAGCTTCTCAGAGCGGCGGAGCGGAGCGGCGGCGGCGGAGCGGCGGCGG 120
 QY 551 C 551
 DB 121 C 121

RESULT 4
 ID AA298173 standard; CDNA; 543 BP.
 AC AA298173;
 XX 11-MAY-2000 (first entry)
 DE Human signal peptide containing protein HSP-65 CDNA SEQ ID NO:199.
 XX Human signal peptide containing protein HSP-65 CDNA SEQ ID NO:199.
 KM Human: signal peptide-containing protein; HSP; diagnosis; cancer;
 KM Inflammation; cardiovascular disease; anticancer; anti-inflammatory;
 KM antimicrobial; neuroprotective; cardioprotective; hepatoprotic;
 KM antiasthmatic; gene therapy; cell proliferation; neurological disorder;
 KM reproductive disorder; developmental disorder; arteriosclerosis;
 KM cirrhosis; psoriasis; acquired immune deficiency syndrome; anaemia;
 KM asthma; Crohn's disease; infection; Alzheimer's disease; schizophrenia;
 KM Parkinson's disease; Huntington's disease; ovulatory defect;
 KM muscular dystrophy; ss.
 XX Homo sapiens.
 OS WO200000610-A2.
 PN 06-JAN-2000.
 PD 25-JUN-1999; 99WO-US14484.
 XX 26-JUN-1998; 98US-0090762.
 PR 31-JUL-1998; 98US-0094983.
 PR 01-OCT-1998; 98US-0102686.
 PR 11-DEC-1998; 98US-0112129.
 XX (INCYTE) INCYTE PHARM INC.
 PA Lal P, Tang YT, Gorgone GA, Corley NC, Guegler KJ, Baughn MR;
 PI Akersblom IE, Au-Young J, Yue H, Patterson C, Reddy R, Hillman JL;
 PI Bandman O;
 XX WPI: 2000-160673/14.
 DR P-PSDB; AAY87288.
 XX New human signal peptide-containing proteins useful in treatment,
 PT prevention and diagnosis of e.g. cancer, inflammation and
 PT cardiovascular disease
 PS Claim 9; Page 289; 327pp; English.
 XX AA298109 to AA298242 encode AAY87224 to AAY87357 which represent the
 CC human signal peptide-containing proteins HSP-1 to HSP-134. HSPs have
 CC anticancer, anti-inflammatory, antimicrobial, neurotropic, hepatoprotic,
 CC neuroprotective, cardioprotective, and antiasthmatic activities, and can
 CC be used in gene therapy. HSPs can be used to treat or prevent disorders
 CC associated with decreased activity or function of HSP. Antagonists of
 CC HSP are used to treat or prevent disorders associated with increased
 CC activity or function of HSP. Such disorders include cell proliferation
 CC (including cancer), inflammation, cardiovascular, neurological,
 CC reproductive or developmental disorders, (e.g. arteriosclerosis,
 CC cirrhosis, psoriasis, acquired immune deficiency syndrome, anaemia,
 CC asthma, Crohn's disease, microbial or other infections, congestive or
 CC ischemic heart disease, Alzheimer's, Parkinson's or Huntington's
 CC disease, schizophrenia, ovulatory defects, muscular dystrophy). HSP
 CC nucleic acids can be used for the recombinant production of HSP, for
 CC detecting HSP in standard hybridisation and amplification assays (for
 CC diagnosis and monitoring), in gene therapy, as antisense,
 CC triplex-forming or ribozyme therapeutics, for detecting related sequences
 CC or genetic variations, and for chromosomal mapping. HSP are also used to
 CC raise specific antibodies (Ab) and to screen for agonists and
 CC antagonists (potential therapeutic agents). Ab are used to diagnose, or
 CC monitor, HSP-related diseases (in usual immunoassays), as therapeutic
 CC antagonists, in competitive drug screens, and for purification of HSP
 XX from natural sources.

SO Sequence 543 BP; 89 A; 194 C; 178 G; 82 T; 0 other;

Query Match 16.7%; Score 92; DB 21; Length 543;
Best Local Similarity 100.0%; Pred. No. 2.9e-09;
Matches 92; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 460 CCGGGCGTGGAGGCGGAGACCGGCTATAGAGCCCTGCGCTTGGCCCGGAGACCG 519
|||||
DB 1 CCGGGCGTGGAGGCGGAGACCGGCTATAGAGCCCTGCGCTTGGCCCGGAGACCG 60
|||||

OY 520 CAGGTTCCCCCGCGCCCGGAGCCCGCCGCC 551
|||||
DB 61 CAGGTTCCCCCGCGCCCGGAGCCCGCCGCC 92
|||||

RESULT 5
AA229723
ID AA229723 standard; DNA; 543 BP.

AC AA229723;

DT 27-MAR-2000 (first entry)

DE Human lung specific gene lng107.

KW Lung Specific Gene; LSG: lng107; human; diagnostic marker;

KM prognosticate; lung cancer; diagnosis; ds.

OS Homo sapiens.

PH Key Location/Qualifiers

FT CDS 93..407
/tag= a
/product= "LSG lng107 protein"

FN MO9960160-A1.

PN 25-NOV-1999.

PF 12-MAY-1999; 99WO-US10344.

PR 21-MAY-1998; 98US-0086212.

PA (DIAD-) DIADEXUS LLC;

PI Yang F, Macina RA, Sun Y;

DR WPI: 2000-116320/10.

PS P-PSDB; AA44458.

PT A new method for diagnosing, monitoring and staging lung cancer -

PS Claim 6; Page 36; 40pp; English.

CC The present sequence is a lung specific gene (LSG) lng107 from human
CC clone ID 586271. The LSG has high level of tissue specificity for lungs
CC and is overexpressed in cancerous tissues. The sequence serves as a
CC diagnostic marker for detecting, monitoring, staging and prognosticating
CC lung cancer. The diagnosis involves comparing levels of LSG in samples
CC obtained from patient and normal control.

SO Sequence 543 BP; 89 A; 194 C; 178 G; 82 T; 0 other;

Query Match 16.7%; Score 92; DB 21; Length 543;
Best Local Similarity 100.0%; Pred. No. 2.9e-09;
Matches 92; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 460 CCGGGCGTGGAGGCGGAGACCGGCTATAGAGCCCTGCGCTTGGCCCGGAGACCG 519
|||||
DB 1 CCGGGCGTGGAGGCGGAGACCGGCTATAGAGCCCTGCGCTTGGCCCGGAGACCG 60
|||||

OY 520 CAGGTTCCCCCGCGCCCGGAGCCCGCCGCC 551
|||||

DB 61 CAGGTTCCCCCGCGCCCGGAGCCCGCCGCC 92
|||||

RESULT 6
AAV54621
ID AAV54621 standard; cDNA; 519 BP.

AC AAV54621;

DT 25-MAR-2003 (updated)

DE 30-OCT-1998 (first entry)

DE LU105 polypeptide encoding cDNA clone 1327836TH.

KW LU105; lung disease marker; immunoassay; lung disease; cancer;

KM blood; plasma; serum; ss.

OS Homo sapiens.

PH Key Location/Qualifiers

FT CDS 79..393
/tag= a
/transl_except= (pos:136..138, aa:Val)
/product= "LU105 polypeptide"

FN MO9833926-A1.

PN 06-AUG-1998.

PF 30-JAN-1998; 98WO-US01766.

PR 31-JAN-1997; 97US-0791710.

PA (ABBO) ABBOTT LAB.

PI Billing-medel PA, Cohen M, Colpitts TL, Friedman PN, Gordon J;

PI Granados EN, Hodges SC, Klass MR, Kratochvil JD, Robertsrap L;

PI Russell JC, Stroupe SD;

DR WPI: 1998-437479/37.

PS P-PSDB; AAW75868.

PT New nucleic acid for the lung disease marker LU105 - polypeptides,
PT antibodies and genes, used for diagnosis, prevention, treatment of
PT lung disease, specifically cancer

PS Claim 11; Fig 1; 123pp; English.

CC Sequences shown in AAV54616 to AAV54621 represent LU105 specific
CC polynucleotide sequences. These are used in the method of the invention
CC for detecting target LU105 nucleic acid. The method comprises treating a
CC sample with at least one LU105 specific nucleic acid or its complement
CC which is at least 50 percent identical with the LU105 specific nucleic
CC acid sequences (AAV54616 to AAV54621). LU105 is a lung disease marker.
CC Cells transformed with a recombinant expression system that contains
CC LU105 specific nucleic acid fragments, are used to express recombinant
CC LU105 polypeptides which are used to raise antibodies. The antibodies are
CC used to detect the LU105 antigen, and correspondingly this antigen is
CC used to detect specific antibodies, in usual immunoassays. The LU105
CC polypeptides and nucleic acid sequences are used for diagnosis, staging,
CC monitoring, prognosis, prevention, treatment and determination of
CC susceptibility to, lung disease, specifically cancer. The LU105
CC polypeptides are also used to screen for specific binding agents, useful
CC therapeutically. LU105 is a marker for lung disease (present at high
CC concentration, in altered form or in an unusual body compartment). LU105
CC can be detected in blood, plasma or serum in an inexpensive, non-invasive
CC test.

CC (updated on 25-MAR-2003 to correct PI field.)

SO Sequence 519 BP; 78 A; 190 C; 170 G; 81 T; 0 other;

Query Match 14.2%; Score 78; DB 19; Length 519;
Best Local Similarity 100.0%; Pred. No. 1.5e-06;

Matches 78; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 474 GCGAGACCGGGTATAGAGAGCTGCTTGGCCGGGAGCCGAGGTTCCCGCCG 533
 1 GCGAGACCGGGTATAGAGAGCTGCTTGGCCGGGAGCCGAGGTTCCCGCCG 60

Db 534 GCGCCGAGCCCGCCGCC 551
 61 GCGCCGAGCCCGCCGCC 78

RESULT 7
 ABR40267 standard; cDNA: 569 BP.

AC ABR40267;
 DT 15-JUL-2002 (first entry)

DE cDNA encoding human PRO1245 polypeptide.

XX Human; PRO; benign tumour; malignant tumour; lymphoid malignancy;
 KW leukaemia; neuronal disorder; stromal disorder; blastocoele disorder;
 KW inflammatory disorder; immune disorder; angiogenic disorder;
 KW gene therapy; cytosolic; neuroprotective; gene; ss.

OS Homo sapiens.
 PN WO200153486-A1.
 PD 26-JUL-2001.
 PF 11-FEB-2000; 2000WO-US03565.

XX 08-MAR-1999; 99WO-US05028.
 PR 11-MAR-1999; 99US-123972P.
 PR 11-MAY-1999; 99US-133459P.
 PR 02-JUN-1999; 99WO-US12252.
 PR 22-JUN-1999; 99US-140650P.
 PR 20-JUL-1999; 99US-140653P.
 PR 26-JUL-1999; 99US-144758P.
 PR 28-JUL-1999; 99US-146222P.
 PR 17-AUG-1999; 99US-149395P.
 PR 31-AUG-1999; 99US-151689P.
 PR 01-SEP-1999; 99WO-US21090.
 PR 15-SEP-1999; 99WO-US28313.
 PR 30-NOV-1999; 99WO-US28301.
 PR 01-DEC-1999; 99WO-US28634.
 PR 05-JAN-2000; 2000WO-US00219.

XX (GETH) GENENTECH INC.
 PA Ashkenazi AJ, Goddard A, Godowski PJ, Gurney AL, Hillan KJ;
 PI Marsters SA, Pan J, Pilti RM, Roy MA, Smith V, Stone DM;
 PI Watanabe CK, Wood WI;
 DR WPI: 2002-205567/26.
 DR P-PSDS; AA086141.

XX Thirty five nucleic acids encoding PRO polypeptides, useful for
 PT treating benign or malignant tumours, leukaemias and lymphoid
 PT malignancies, inflammatory, angiogenic and immunologic disorders -
 PS Claim 50; Fig 27; 302pp; English.

XX The present invention relates to the isolation of novel human PRO
 CC polypeptides and the polynucleotide sequences encoding them. The
 CC PRO polypeptides, agonists, antagonists or anti-PRO antibodies are
 CC useful for treating benign or malignant tumours (e.g. renal, kidney,
 CC bladder, breast, etc), leukaemias and lymphoid malignancies, glandular,
 CC disorders such as neuronal, glial, astrocytic, hypothalamic, glandular,

CC macrophageal, stromal and blastocoele disorders, inflammatory, immune
 CC and angiogenic disorders. The polynucleotide sequences are also
 CC useful in gene therapy. ABR40254-ABR40288 encode for the human PRO
 CC polypeptides of the invention.

SO Sequence 569 BP; 128 A; 190 C; 170 G; 81 T; 0 other;

Query Match 14.2%; Score 78; DB 24; Length 569;
 Best Local Similarity 100.0%; Pred. No. 1.5e-06;
 Matches 78; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 474 GCGAGACCGGGTATAGAGAGCTGCTTGGCCGGGAGCCGAGGTTCCCGCCG 533
 1 GCGAGACCGGGTATAGAGAGCTGCTTGGCCGGGAGCCGAGGTTCCCGCCG 60

Db 534 GCGCCGAGCCCGCCGCC 551
 61 GCGCCGAGCCCGCCGCC 78

RESULT 8
 AA265103 standard; cDNA: 570 BP.

AC AA265103;
 DT 05-APR-2000 (first entry)

DE Membrane-bound protein PRO1245 encoding cDNA.

XX Membrane-bound polypeptide; PRO polypeptide; LDL receptor; TIR ligand;
 KW pharmaceutical; receptor immunoadhesin; gene mapping; ss.

OS Homo sapiens.
 PN WO9963088-A2.
 PD 09-DEC-1999.
 PF 02-JUN-1999; 99WO-US12252.

XX 02-JUN-1998; 98US-0087607.
 PR 02-JUN-1998; 98US-0087609.
 PR 02-JUN-1998; 98US-0087759.
 PR 03-JUN-1998; 98US-0087827.
 PR 04-JUN-1998; 98US-0088021.
 PR 04-JUN-1998; 98US-0088025.
 PR 04-JUN-1998; 98US-0088028.
 PR 04-JUN-1998; 98US-0088030.
 PR 04-JUN-1998; 98US-0088033.
 PR 04-JUN-1998; 98US-0088326.
 PR 05-JUN-1998; 98US-0088167.
 PR 05-JUN-1998; 98US-0088202.
 PR 05-JUN-1998; 98US-0088217.
 PR 05-JUN-1998; 98US-0088217.
 PR 09-JUN-1998; 98US-0088655.
 PR 10-JUN-1998; 98US-0088722.
 PR 10-JUN-1998; 98US-0088730.
 PR 10-JUN-1998; 98US-0088734.
 PR 10-JUN-1998; 98US-0088738.
 PR 10-JUN-1998; 98US-0088741.
 PR 10-JUN-1998; 98US-0088741.
 PR 10-JUN-1998; 98US-0088810.
 PR 10-JUN-1998; 98US-0088811.
 PR 10-JUN-1998; 98US-0088825.
 PR 10-JUN-1998; 98US-0088825.
 PR 10-JUN-1998; 98US-0088826.
 PR 11-JUN-1998; 98US-0088861.
 PR 11-JUN-1998; 98US-0088861.
 PR 11-JUN-1998; 98US-0088863.
 PR 11-JUN-1998; 98US-0088876.

```

PR 12-JUN-1998; 98US-0089090.
PR 12-JUN-1998; 98US-0089105.
PR 16-JUN-1998; 98US-0089440.
PR 16-JUN-1998; 98US-0089512.
PR 16-JUN-1998; 98US-0089514.
PR 17-JUN-1998; 98US-0089532.
PR 17-JUN-1998; 98US-0089538.
PR 17-JUN-1998; 98US-0089558.
PR 17-JUN-1998; 98US-0089560.
PR 17-JUN-1998; 98US-0089620.
PR 17-JUN-1998; 98US-0089633.
PR 18-JUN-1998; 98US-0089653.
PR 18-JUN-1998; 98US-0089907.
PR 18-JUN-1998; 98US-0089908.
PR 19-JUN-1998; 98US-0089947.
PR 19-JUN-1998; 98US-0089948.
PR 19-JUN-1998; 98US-0089952.
PR 22-JUN-1998; 98US-0090246.
PR 22-JUN-1998; 98US-0090252.
PR 23-JUN-1998; 98US-0090254.
PR 23-JUN-1998; 98US-0090349.
PR 23-JUN-1998; 98US-0090355.
PR 24-JUN-1998; 98US-0090429.
PR 24-JUN-1998; 98US-0090431.
PR 24-JUN-1998; 98US-0090435.
PR 24-JUN-1998; 98US-0090445.
PR 24-JUN-1998; 98US-0090461.
PR 24-JUN-1998; 98US-0090472.
PR 24-JUN-1998; 98US-0090535.
PR 24-JUN-1998; 98US-0090538.
PR 24-JUN-1998; 98US-0090540.
PR 25-JUN-1998; 98US-0090557.
PR 25-JUN-1998; 98US-0090576.
PR 25-JUN-1998; 98US-0090588.
PR 25-JUN-1998; 98US-0090590.
PR 25-JUN-1998; 98US-0090591.
PR 25-JUN-1998; 98US-0090594.
PR 25-JUN-1998; 98US-0090695.
PR 26-JUN-1998; 98US-0090696.
PR 26-JUN-1998; 98US-0090862.
PR 01-JUL-1998; 98US-0091358.
PR 01-JUL-1998; 98US-0091360.
PR 01-JUL-1998; 98US-0091544.
PR 02-JUL-1998; 98US-0091478.
PR 02-JUL-1998; 98US-0091486.
PR 02-JUL-1998; 98US-0091519.
PR 02-JUL-1998; 98US-0091526.
PR 02-JUL-1998; 98US-0091528.
PR 02-JUL-1998; 98US-0091633.
PR 02-JUL-1998; 98US-0091646.
PR 02-JUL-1998; 98US-0091673.
PR 07-JUL-1998; 98US-0091978.
PR 07-JUL-1998; 98US-0092182.
PR 09-JUL-1998; 98US-0092182.
PR 10-JUL-1998; 98US-0093339.
PR 20-JUL-1998; 98US-0094651.
PR 30-JUL-1998; 98US-0095282.
PR 04-AUG-1998; 98US-0095285.
PR 04-AUG-1998; 98US-0095301.
PR 04-AUG-1998; 98US-0095302.
PR 04-AUG-1998; 98US-0095318.
PR 04-AUG-1998; 98US-0095321.
PR 04-AUG-1998; 98US-0095325.
PR 10-AUG-1998; 98US-0095916.
PR 10-AUG-1998; 98US-0095929.
PR 11-AUG-1998; 98US-0096012.
PR 11-AUG-1998; 98US-0096143.
PR 11-AUG-1998; 98US-0096146.
PR 12-AUG-1998; 98US-0096329.

```

```

PR 17-AUG-1998; 98US-0096757.
PR 17-AUG-1998; 98US-0096766.
PR 17-AUG-1998; 98US-0096768.
PR 17-AUG-1998; 98US-0096773.
PR 17-AUG-1998; 98US-0096791.
PR 17-AUG-1998; 98US-0096867.
PR 17-AUG-1998; 98US-0096891.
PR 17-AUG-1998; 98US-0096894.
PR 17-AUG-1998; 98US-0096895.
PR 17-AUG-1998; 98US-0096897.
PR 18-AUG-1998; 98US-0096949.
PR 18-AUG-1998; 98US-0096950.
PR 18-AUG-1998; 98US-0096959.
PR 18-AUG-1998; 98US-0096960.
PR 18-AUG-1998; 98US-0097022.
PR 19-AUG-1998; 98US-0097141.
PR 20-AUG-1998; 98US-0097218.
PR 24-AUG-1998; 98US-0097661.
PR 26-AUG-1998; 98US-0097951.
PR 26-AUG-1998; 98US-0097952.
PR 26-AUG-1998; 98US-0097954.
PR 26-AUG-1998; 98US-0097955.
PR 26-AUG-1998; 98US-0097971.
PR 26-AUG-1998; 98US-0097974.
PR 26-AUG-1998; 98US-0097978.
PR 26-AUG-1998; 98US-0097979.
PR 26-AUG-1998; 98US-0097986.
PR 31-AUG-1998; 98US-0098014.
PR 31-AUG-1998; 98US-0098525.
PR 16-SEP-1998; 98US-0100834.
PR 12-JAN-1999; 98US-0115635.

(PGTH ) GENENTECH INC.
XX Baker K, Chen J, Goddard A, Gurney AL, Smith V, Watanabe CK;
PI Wood WI, Yuan J;
XX WPI: 2000-072883/06.
DR P-PSDB: AAY66757.
XX Membrane-bound proteins and related nucleotide sequences
PS Claim 2; Fig 289; 822pp; English.
XX
CC The invention provides membrane-bound PRO polypeptides and
CC polynucleotides encoding them. The PRO sequences of the invention were
CC identified based on extracellular domain homology screening. The PRO
CC sequences have homology with proteins including LDL receptors, the
CC ligands and various enzymes. The membrane-bound proteins and receptor
CC molecules are useful as pharmaceutical and diagnostic agents. Receptor
CC immunoadhesins, for instance, can be used as therapeutic agents to block
CC receptor-ligand interactions. The membrane-bound proteins can also be
CC employed for screening of potential peptide or small molecule inhibitors
CC of the relevant receptor/ligand interaction. The PRO encoding sequences
CC are useful as hybridization probes, in chromosome and gene mapping and in
CC the generation of antisense RNA and DNA. PRO nucleic acid sequences
CC will also be useful for the preparation of PRO polypeptides, especially
CC by recombinant techniques.
XX
SQ Sequence 570 BP; 129 A; 190 C; 170 G; 81 T; 0 other;

Query Match 14.2%; Score 78; DB 21; Length 570;
Best Local Similarity 100.0%; Pred. No. 1.5e-06;
Matches 78; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 474 GCGAGGACCGGGATATAGAGGCTGTGCGCTGCGCGGAGCGGAGGCTTCCCGCGC 533
DB 1 GCGAGGACCGGGATATAGAGGCTGTGCGCTGCGCGGAGCGGAGGCTTCCCGCGC 60
OY 534 GCGCGAGCGCGCGCGCGC 551
DB 61 GCGCGAGCGCGCGCGCGC 78

```

RESULT 9
AAAF44249
ID AAAF44249 standard; cDNA: 570 BP.
XX
XX
AC AAAF44249;
XX
XX 02-APR-2001 (first entry)
XX
XX Human PRO1245 (UNQ629) nucleotide sequence SEQ ID NO:407.
DE
XX Human: secreted and transmembrane protein: PRO: cytosolic;
XX cell death; cancer; Chromosomal mapping; gene mapping; tissue typing;
XX diagnostic assay; ss.
XX
XX Homo sapiens.
XX
XX WO200073454-A1.
XX
XX 07-DEC-2000.
XX
XX 30-MAR-2000; 2000WO-US08439.
XX
XX 02-JUN-1999; 99WO-US12252.
XX 23-JUN-1999; 99US-0141037.
XX 07-JUL-1999; 99US-0143048.
XX 20-JUL-1999; 99US-0144758.
XX 26-JUL-1999; 99US-0145698.
XX 28-JUL-1999; 99US-0146222.
XX 17-AUG-1999; 99US-0149396.
XX 15-SEP-1999; 99WO-US21090.
XX 08-OCT-1999; 99US-0158663.
XX 30-NOV-1999; 99WO-US28301.
XX 01-DEC-1999; 99WO-US28301.
XX 16-DEC-1999; 99WO-US30911.
XX 20-DEC-1999; 2000WO-US00219.
XX 05-JAN-2000; 2000WO-US00376.
XX 11-FEB-2000; 2000WO-US03565.
XX 18-FEB-2000; 2000WO-US04341.
XX 22-FEB-2000; 2000WO-US04414.
XX 24-FEB-2000; 2000WO-US05004.
XX 02-MAR-2000; 2000WO-US05841.
XX 13-MAR-2000; 2000WO-US06884.
XX 20-MAR-2000; 2000WO-US07377.
XX
XX (GETH) GENENTECH INC.
XX
XX Ashkenazi AJ, Baker KP, Botstein D, Desnoyers L, Eaton DL;
XX Ferrera N, Fong S, Gerber H, Gerlitsen ME, Goddard A, Godowski PJ;
XX Grimaldi CJ, Gurney AL, Kljavin IJ, Napier MA, Pan J, Paoni NF;
XX Roy MA, Stewart TA, Tumas D, Watanabe CK, Williams PM, Wood WI;
XX Zhang Z;
XX
XX WPI: 2001-032160/04.
XX P-PSDB; AAB65280.
XX
XX PRO polynucleotides used to produce polypeptides used to target
XX bioactive molecules such as toxins, radiolabels or antibodies, to
XX specific cells, to cause targeted cell death -
XX
XX Claim 2: Fig 289; 935PP; English.
XX
XX The present invention describes human secreted and transmembrane PRO
XX proteins. The PRO proteins have cytosolic activity. The PRO proteins
XX can be used for targeted delivery of bioactive molecules, such as
XX toxins, radiolabels or antibodies, that cause cell death. PRO nucleotide
XX sequences, and their fragments, can be used as hybridisation probes, in
XX chromosomal and gene mapping, and in the generation of anti-sense RNA
XX and DNA. They may also be used to produce transgenic animals which are
XX used to develop and screen therapeutically useful reagents. The PRO

CC nucleotide and protein sequence can be used for tissue typing and in
CC treating cancer. Anti-PRO antibodies can be used in diagnostic assays.
CC AAAF44270 to AAAF4470 represent PCR primers and hybridisation probes used
CC in the isolation of human PRO sequences. AAAF4087 to AAAF4269 and
CC AAB65154 to AAB65300 represent human PRO polynucleotide and protein
CC sequences given in the exemplification of the present invention.
XX
XX Sequence 570 BP: 129 A; 190 C; 170 G; 81 T; 0 other;
SQ
Query Match 14.2%; Score 78; DB 22; Length 570;
Best Local Similarity 100.0%; Pred. No. 1.5e-06;
Matches 78; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
OY 474 GCGAGAGCCGGCTATAGAGCCGTCGCGCTTGCAGCGAGCAGTTCCCGCCG 533
DB 1 GCGAGAGCCGGCTATAGAGCCGTCGCGCTTGCAGCGAGCAGTTCCCGCCG 60
OY 534 GCCCGAGCCCGCCGCGCC 551
DB 61 GCCCGAGCCCGCCGCGCC 78
RESULT 10
ABX80386
ID ABX80386 standard; DNA: 570 BP.
XX
XX ABX80386;
XX
XX 28-APR-2003 (first entry)
XX
XX Novel human secreted or transmembrane protein PRO1358 DNA.
XX
XX Human: PRO: hypertrophy of neonatal heart; angiogenesis; wound healing;
XX cardiac insufficiency disorder; cancer; tumour immune response;
XX adrenal cortical capillary endothelial growth; c-fos induction;
XX vascular endothelial growth factor inhibition; VEGF inhibition;
XX endothelial cell growth inhibitor; T-lymphocytes stimulation;
XX retinal neurons cell survival; rod photoreceptor cell survival;
XX retinal disorder; retinitis pigmentosa; kidney disease;
XX mammalian kidney mesangial cell proliferation; Berger disease;
XX dermatitis; herpeticiformis; Crohn's disease; chondrocyte proliferation;
XX chondrocyte redifferentiation; sports injury; arthritis; gene; ds.
XX
XX Homo sapiens.
XX
XX OS
XX US2002132252-A1.
XX
XX 19-SEP-2002.
XX
XX 14-NOV-2001; 2001US-0990442.
XX
XX 05-NOV-1997; 97WO-US20069.
XX 16-SEP-1998; 98WO-US19330.
XX 17-SEP-1998; 98WO-US19437.
XX 07-OCT-1998; 98WO-US21141.
XX 01-DEC-1998; 98WO-US25108.
XX 05-JAN-1999; 99WO-US00106.
XX 08-MAR-1999; 99WO-US00102.
XX 02-JUN-1999; 99WO-US12252.
XX 15-SEP-1999; 99WO-US21547.
XX 30-NOV-1999; 99WO-US28313.
XX 01-DEC-1999; 99WO-US28301.
XX 16-DEC-1999; 99WO-US28634.
XX 20-DEC-1999; 99WO-US30911.
XX 06-JAN-2000; 2000WO-US00219.
XX 06-JAN-2000; 2000WO-US00376.
XX 11-FEB-2000; 2000WO-US03565.
XX 18-FEB-2000; 2000WO-US04341.
XX 22-FEB-2000; 2000WO-US04414.
XX 24-FEB-2000; 2000WO-US04914.
XX 24-FEB-2000; 2000WO-US05004.

PR 02-MAR-2000; 2000MO-US05841.
 PR 10-MAR-2000; 2000MO-US06319.
 PR 15-MAR-2000; 2000MO-US06884.
 PR 20-MAR-2000; 2000MO-US07377.
 PR 30-MAR-2000; 2000MO-US08439.
 PR 15-MAY-2000; 2000MO-US13358.
 PR 17-MAY-2000; 2000MO-US13705.
 PR 22-MAY-2000; 2000MO-US14042.
 PR 30-MAY-2000; 2000MO-US14941.
 PR 02-JUN-2000; 2000MO-US15264.
 PR 26-JUL-2000; 2000MO-US20710.
 PR 11-AUG-2000; 2000MO-US22031.
 PR 23-AUG-2000; 2000MO-US23522.
 PR 24-AUG-2000; 2000MO-US23528.
 PR 08-NOV-2000; 2000MO-US30952.
 PR 01-DEC-2000; 2000MO-US32678.
 PR 28-FEB-2001; 2001MO-US06520.
 PR 01-JUN-2001; 2001MO-US17800.
 PR 20-JUN-2001; 2001MO-US19692.
 PR 09-JUL-2001; 2001MO-US21066.
 PR 16-JUN-1997; 97US-049787P.
 PR 17-OCT-1997; 97US-062250P.
 PR 12-NOV-1997; 97US-065186P.
 PR 13-NOV-1997; 97US-065311P.
 PR 24-NOV-1997; 97US-066770P.
 PR 25-FEB-1998; 98US-075945P.
 PR 20-MAR-1998; 98US-078910P.
 PR 28-APR-1998; 98US-083322P.
 PR 07-MAY-1998; 98US-084600P.
 PR 28-MAY-1998; 98US-087106P.
 PR 02-JUN-1998; 98US-087607P.
 PR 02-JUN-1998; 98US-087759P.
 PR 03-JUN-1998; 98US-088027P.
 PR 04-JUN-1998; 98US-088021P.
 PR 04-JUN-1998; 98US-088025P.
 PR 04-JUN-1998; 98US-088026P.
 PR 04-JUN-1998; 98US-088028P.
 PR 04-JUN-1998; 98US-088029P.
 PR 04-JUN-1998; 98US-088030P.
 PR 04-JUN-1998; 98US-088033P.
 PR 04-JUN-1998; 98US-088336P.
 PR 05-JUN-1998; 98US-088167P.
 PR 05-JUN-1998; 98US-088202P.
 PR 05-JUN-1998; 98US-088212P.
 PR 05-JUN-1998; 98US-088217P.
 PR 09-JUN-1998; 98US-088655P.
 PR 10-JUN-1998; 98US-088734P.
 PR 10-JUN-1998; 98US-088738P.
 PR 10-JUN-1998; 98US-088742P.
 PR 10-JUN-1998; 98US-088810P.
 PR 10-JUN-1998; 98US-088824P.
 PR 10-JUN-1998; 98US-088826P.
 PR 11-JUN-1998; 98US-088858P.
 PR 11-JUN-1998; 98US-088861P.
 PR 11-JUN-1998; 98US-088876P.
 PR 12-JUN-1998; 98US-088905P.
 PR 16-JUN-1998; 98US-089105P.
 PR 16-JUN-1998; 98US-089140P.
 PR 16-JUN-1998; 98US-089512P.
 PR 16-JUN-1998; 98US-089514P.
 PR 17-JUN-1998; 98US-089532P.
 PR 17-JUN-1998; 98US-089538P.
 PR 17-JUN-1998; 98US-089558P.
 PR 17-JUN-1998; 98US-089599P.
 PR 17-JUN-1998; 98US-089600P.
 PR 17-JUN-1998; 98US-089653P.
 PR 18-JUN-1998; 98US-089801P.
 PR 18-JUN-1998; 98US-089908P.
 PR 28-AUG-2001; 2001US-0941992.
 XX
 XX (GETH) GENENTECH INC.

XX Ashkenazi AJ, Baker KP, Botstein D, Desnoyers L, Eaton DL;
 PI Ferreira N, Fong S, Gerber H, Gerlitsen ME, Goddard A, Godowski PJ;
 PI Grimaldi JC, Gurney AL, Kijavir IJ, Napier MA, Pan J, Paoni NF;
 PI Roy MA, Stewart TA, Tumas D, Watanabe CK, Williams PM, Wood WI;
 PI Zhang Z;
 XX
 DR WPI: 2003-247083/24.
 DR P-PSDB: AB059174.
 XX
 PT Novel isolated PRO polypeptides e.g., PRO826, PRO1068, PRO1184, PRO1346
 PT and PRO1375, which stimulate proliferation of stimulated T-lymphocytes
 PT are therapeutically useful for enhancing immune response and in cancer
 PT treatments
 XX
 XX Claim 2; Fig 291; 648bp; English.
 XX
 CC The invention describes an isolated human PRO polypeptide. The PRO
 CC polypeptides are useful in detecting PRO polypeptides in a sample, in
 CC linking a bioactive molecule to a cell expressing a PRO polypeptide, and
 CC in modulating at least one biological activity of a cell expressing a PRO
 CC polypeptide. PRO1312 stimulates hypertrophy of neonatal heart and is thus
 CC useful for treating cardiac insufficiency disorders. PRO1154 and PRO1186
 CC stimulate adrenal cortical capillary endothelial growth, and PRO536,
 CC PRO943, PRO828, PRO826, PRO1068 or PRO535, PRO826, PRO819, PRO1126,
 CC PRO1360 and PRO1387 induce c-fos in endothelial cells, and are thus
 CC useful for treating conditions or disorders where angiogenesis would be
 CC beneficial, e.g. wound healing and angiogenesis of this polypeptide are
 CC useful for treating cancerous tumours. PRO812 inhibits vascular
 CC endothelial growth factor (VEGF) stimulated proliferation of endothelial
 CC cells and is thus useful for inhibiting tumour growth in
 CC mammals which would be beneficial in inhibiting tumour growth. PRO826,
 CC PRO1068, PRO1184, PRO1346 and PRO1375 stimulate proliferation of
 CC stimulated T-lymphocytes and are therapeutically useful for enhancing
 CC immune response. PRO828, PRO826, PRO1068 or PRO1132 enhance survival of
 CC retinal neurons cells (PRO1132 is also enhances survival/proliferation of
 CC rod photoreceptor cells) and therefore are useful for treating retinal
 CC disorders of injuries, e.g. retinitis pigmentosa, AMD. PRO819, PRO813
 CC and PRO11066 induce proliferation of mammalian kidney mesangial cells,
 CC and therefore are useful for treating kidney disorders associated with
 CC decreased mesangial cell function such as Berger disease or other
 CC nephropathies associated with dermatitis, herpeticiformis or Crohn's
 CC disease. PRO1310, PRO844, PRO1312, PRO1192 and PRO1387 induce the
 CC proliferation and/or redifferentiation of chondrocytes in culture and
 CC are thus useful for treating sports injuries, and arthritis. This
 CC sequence represents a novel human PRO protein polynucleotide.
 XX
 SO Sequence 570 BP; 129 A; 190 C; 170 G; 81 T; 0 other;
 Query Match 14.2%; Score 78; DB 25; Length 570;
 Best Local Similarity 100.0%; Pred. No. 1.5e-06;
 Matches 78; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 474 GCGAGACCGGGTAAACACCTTCGCTTCCCGGCGACCGCAGTTCCCGCGC 533
 Db 1 GCGAGACCGGGTAAACACCTTCGCTTCCCGGCGACCGCAGTTCCCGCGC 60
 QY 534 GCCCGACCGCCCGCGCC 551
 Db 61 GCCCGACCGCCCGCGCC 78
 RESULT 11
 ABX80890
 ID ABX80890 standard; cDNA; 570 BP.
 XX
 AC ABX80890;
 XX
 DT 22-APR-2003 (first entry)
 XX
 DE Human secreted/transmembrane protein cDNA, #163.
 XX
 KW Human; gene; ss; PRO; secreted; transmembrane; pharmaceutical;

KM diagnostic; biosensor; bioreactor; tumour; therapeutic;
KW gene therapy; tumour-associated antigenic target; TMT; ADAPT;
KW antibody-dependent enzyme mediated prodrug therapy; cytostatic.
XX
OS Homo sapiens.
XX US2003027162-A1.
PN
XX
PD 06-FEB-2003.
XX
XX 15-NOV-2001; 2001US-0997428.
PF
XX 05-NOV-1997; 97WO-US20069.
PR 16-SEP-1998; 98WO-US19330.
PR 17-SEP-1998; 98WO-US19437.
PR 07-OCT-1998; 98WO-US21141.
PR 01-DEC-1998; 98WO-US25108.
PR 05-JAN-1999; 99WO-US00106.
PR 08-MAR-1999; 99WO-US05028.
PR 02-JUN-1999; 99WO-US12252.
PR 15-SEP-1999; 99WO-US21090.
PR 15-SEP-1999; 99WO-US21547.
PR 30-NOV-1999; 99WO-US28313.
PR 01-DEC-1999; 99WO-US28301.
PR 01-DEC-1999; 99WO-US28634.
PR 16-DEC-1999; 99WO-US30095.
PR 20-DEC-1999; 99WO-US30911.
PR 05-JAN-2000; 2000WO-US00219.
PR 06-JAN-2000; 2000WO-US00376.
PR 11-FEB-2000; 2000WO-US03565.
PR 16-FEB-2000; 2000WO-US04341.
PR 22-FEB-2000; 2000WO-US04414.
PR 24-FEB-2000; 2000WO-US04914.
PR 02-MAR-2000; 2000WO-US05841.
PR 10-MAR-2000; 2000WO-US06319.
PR 15-MAR-2000; 2000WO-US06894.
PR 20-MAR-2000; 2000WO-US07377.
PR 30-MAR-2000; 2000WO-US08439.
PR 15-MAY-2000; 2000WO-US13358.
PR 17-MAY-2000; 2000WO-US13705.
PR 30-MAY-2000; 2000WO-US14042.
PR 02-JUN-2000; 2000WO-US14941.
PR 28-JUL-2000; 2000WO-US20710.
PR 11-AUG-2000; 2000WO-US22031.
PR 23-AUG-2000; 2000WO-US23322.
PR 24-AUG-2000; 2000WO-US23328.
PR 08-NOV-2000; 2000WO-US30952.
PR 01-DEC-2000; 2000WO-US32678.
PR 28-FEB-2001; 2001WO-US06520.
PR 01-JUN-2001; 2001WO-US17800.
PR 20-JUN-2001; 2001WO-US19692.
PR 29-JUL-2001; 2001WO-US21066.
PR 09-JUL-2001; 2001WO-US21735.
PR 16-JUN-1997; 97US-049787P.
PR 17-OCT-1997; 97US-062250P.
PR 13-NOV-1997; 97US-065186P.
PR 24-NOV-1997; 97US-065311P.
PR 25-FEB-1998; 97US-066770P.
PR 25-FEB-1998; 98US-059445P.
PR 20-MAR-1998; 98US-078910P.
PR 28-MAR-1998; 98US-083322P.
PR 07-MAY-1998; 98US-084600P.
PR 02-JUN-1998; 98US-087106P.
PR 02-JUN-1998; 98US-087609P.
PR 02-JUN-1998; 98US-087759P.
PR 03-JUN-1998; 98US-087827P.
PR 04-JUN-1998; 98US-088021P.
PR 04-JUN-1998; 98US-088025P.
PR 04-JUN-1998; 98US-088026P.
PR 04-JUN-1998; 98US-088028P.

PR 04-JUN-1998; 98US-088029P.
PR 04-JUN-1998; 98US-088030P.
PR 04-JUN-1998; 98US-088033P.
PR 04-JUN-1998; 98US-088326P.
PR 05-JUN-1998; 98US-088167P.
PR 05-JUN-1998; 98US-088202P.
PR 05-JUN-1998; 98US-088212P.
PR 05-JUN-1998; 98US-088217P.
PR 09-JUN-1998; 98US-088655P.
PR 10-JUN-1998; 98US-088734P.
PR 10-JUN-1998; 98US-088738P.
PR 10-JUN-1998; 98US-088742P.
PR 10-JUN-1998; 98US-088810P.
PR 10-JUN-1998; 98US-088824P.
PR 11-JUN-1998; 98US-088826P.
PR 11-JUN-1998; 98US-088858P.
PR 11-JUN-1998; 98US-088861P.
PR 11-JUN-1998; 98US-088876P.
PR 12-JUN-1998; 98US-089105P.
PR 16-JUN-1998; 98US-089440P.
PR 16-JUN-1998; 98US-089512P.
PR 16-JUN-1998; 98US-089514P.
PR 17-JUN-1998; 98US-089532P.
PR 17-JUN-1998; 98US-089538P.
PR 17-JUN-1998; 98US-089598P.
PR 17-JUN-1998; 98US-089600P.
PR 17-JUN-1998; 98US-089653P.
PR 18-JUN-1998; 98US-089801P.
PR 18-JUN-1998; 98US-089907P.
PR 18-JUN-1998; 98US-089908P.
PR 19-JUN-1998; 98US-089947P.
PR 19-JUN-1998; 98US-089948P.
PR 19-JUN-1998; 98US-089952P.
PR 22-JUN-1998; 98US-090246P.
PR 22-JUN-1998; 98US-090254P.
PR 23-JUN-1998; 98US-090349P.
PR 23-JUN-1998; 98US-090355P.
PR 24-JUN-1998; 98US-090429P.
PR 24-JUN-1998; 98US-090431P.
PR 24-JUN-1998; 98US-090435P.
PR 24-JUN-1998; 98US-090444P.
PR 24-JUN-1998; 98US-090445P.
PR 24-JUN-1998; 98US-090473P.
PR 24-JUN-1998; 98US-090535P.
PR 24-JUN-1998; 98US-090543P.
PR 24-JUN-1998; 98US-090576P.
PR 25-JUN-1998; 98US-090678P.
PR 25-JUN-1998; 98US-090690P.
PR 25-JUN-1998; 98US-090694P.
PR 25-JUN-1998; 98US-090695P.
PR 25-JUN-1998; 98US-090696P.
PR 26-JUN-1998; 98US-090862P.
PR 26-JUN-1998; 98US-090863P.
PR 01-JUL-1998; 98US-091360P.
PR 01-JUL-1998; 98US-091544P.
PR 02-JUL-1998; 98US-091478P.
PR 02-JUL-1998; 98US-091519P.
PR 02-JUL-1998; 98US-091628P.
PR 02-JUL-1998; 98US-091628P.
PR 02-JUL-1998; 98US-091633P.
PR 02-JUL-1998; 98US-091636P.
PR 02-JUL-1998; 98US-091673P.
PR 07-JUL-1998; 98US-091978P.
PR 07-JUL-1998; 98US-091982P.
PR 09-JUL-1998; 98US-092182P.
PR 10-JUL-1998; 98US-092472P.
PR 20-JUL-1998; 98US-093339P.
PR 30-JUL-1998; 98US-094651P.
PR 04-AUG-1998; 98US-095282P.

PR 04-AUG-1998; 98US-095285P.
PR 04-AUG-1998; 98US-095301P.
PR 04-AUG-1998; 98US-095302P.
PR 04-AUG-1998; 98US-095318P.
PR 04-AUG-1998; 98US-095321P.
PR 04-AUG-1998; 98US-095325P.
PR 10-AUG-1998; 98US-095916P.
PR 10-AUG-1998; 98US-095929P.
PR 10-AUG-1998; 98US-096012P.
PR 11-AUG-1998; 98US-096143P.
PR 11-AUG-1998; 98US-096146P.
PR 12-AUG-1998; 98US-096329P.
PR 17-AUG-1998; 98US-096757P.
PR 17-AUG-1998; 98US-096766P.
PR 17-AUG-1998; 98US-096768P.
PR 17-AUG-1998; 98US-096773P.
PR 17-AUG-1998; 98US-096791P.
PR 17-AUG-1998; 98US-096811P.
PR 17-AUG-1998; 98US-096894P.
PR 17-AUG-1998; 98US-096895P.
PR 17-AUG-1998; 98US-096897P.
PR 18-AUG-1998; 98US-096949P.
PR 18-AUG-1998; 98US-096950P.
PR 18-AUG-1998; 98US-096959P.
PR 18-AUG-1998; 98US-096960P.
PR 18-AUG-1998; 98US-097022P.
PR 19-AUG-1998; 98US-097141P.
PR 20-AUG-1998; 98US-097218P.
PR 24-AUG-1998; 98US-097611P.
PR 26-AUG-1998; 98US-097952P.
PR 26-AUG-1998; 98US-097954P.
PR 26-AUG-1998; 98US-097955P.
PR 26-AUG-1998; 98US-097971P.
PR 26-AUG-1998; 98US-097974P.
PR 26-AUG-1998; 98US-097977P.
PR 26-AUG-1998; 98US-097979P.
PR 26-AUG-1998; 98US-097986P.
PR 26-AUG-1998; 98US-098014P.
PR 31-AUG-1998; 98US-098525P.
PR 16-SEP-1998; 98US-100634P.
PR 17-SEP-1998; 98US-100858P.
PR 22-DEC-1998; 98US-113296P.
PR 12-MAR-1999; 99US-123957P.
PR 23-JUN-1999; 99US-14037P.

Query Match Best Local Similarity 14.2%; Score 78; DB 25; Length 570;
Matches 78; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 474 GCGAGACCGGGTATTAAGACCTCTGCGCTTGCCCGGACGCCAGGTTCCCGCGC 533
DB 1 GCGAGACCGGGTATTAAGACCTCTGCGCTTGCCCGGACGCCAGGTTCCCGCGC 60
QY 534 GCGCCGAGCGCCCGCGCC 551
DB 61 GCGCCGAGCGCCCGCGCC 78

RESULT 12
ABX81273
ID ABX81273 standard; DNA; 570 BP.

XX ABX81273;

XX 22-APR-2003 (first entry)

DE Novel human secreted or transmembrane protein PRO1358 DNA.

KW Human; PRO; hypertrophy of neonatal heart; angiogenesis; wound healing;
KW Cardiac insufficiency disorder; cancer; tumour; immune response;
KW adrenal cortical capillary endothelial growth; c-fos induction;
KW vascular endothelial growth factor inhibition; VEGF inhibition;

KW endothelial cell growth inhibitor; T-lymphocytes stimulation;
KW retinal neurons cell survival; rod photoreceptor cell survival;
KW retinal disorder; retinitis pigmentosa; kidney disorder;
KW mammalian kidney mesangial cell proliferation; Berger disease;
KW dermatitis; herpeticiformis; Crohn's disease; chondrocyte proliferation;
KW chondrocyte redifferentiation; sports injury; arthritis; gene; ds.
OS Homo sapiens.
XX US2003027985-A1.
PN 06-FEB-2003.
PD 14-NOV-2001; 2001US-0990562.
XX 05-NOV-1997; 97WO-US20069.
PR 16-SEP-1998; 98WO-US19330.
PR 17-SEP-1998; 98WO-US19437.
PR 07-OCT-1998; 98WO-US21141.
PR 01-DEC-1998; 98WO-US25108.
PR 05-JAN-1999; 99WO-US00106.
PR 08-MAR-1999; 99WO-US05028.
PR 02-JUN-1999; 99WO-US21090.
PR 15-SEP-1999; 99WO-US21547.
PR 30-NOV-1999; 99WO-US28313.
PR 01-DEC-1999; 99WO-US28301.
PR 16-DEC-1999; 99WO-US28634.
PR 20-DEC-1999; 99WO-US30095.
PR 02-JAN-2000; 2000WO-US00219.
PR 05-FEB-2000; 2000WO-US00376.
PR 11-FEB-2000; 2000WO-US03565.
PR 16-FEB-2000; 2000WO-US04341.
PR 22-FEB-2000; 2000WO-US04914.
PR 24-FEB-2000; 2000WO-US04914.
PR 02-MAR-2000; 2000WO-US05841.
PR 10-MAR-2000; 2000WO-US06319.
PR 15-MAR-2000; 2000WO-US06884.
PR 20-MAR-2000; 2000WO-US07377.
PR 30-MAR-2000; 2000WO-US08439.
PR 15-MAY-2000; 2000WO-US13358.
PR 17-MAY-2000; 2000WO-US13705.
PR 22-MAY-2000; 2000WO-US14042.
PR 30-MAY-2000; 2000WO-US14941.
PR 02-JUN-2000; 2000WO-US15264.
PR 18-JUL-2000; 2000WO-US20710.
PR 11-AUG-2000; 2000WO-US22031.
PR 23-AUG-2000; 2000WO-US23522.
PR 24-AUG-2000; 2000WO-US23328.
PR 08-NOV-2000; 2000WO-US30952.
PR 01-DEC-2000; 2000WO-US32678.
PR 28-FEB-2001; 2001WO-US06520.
PR 01-JUN-2001; 2001WO-US17800.
PR 20-JUN-2001; 2001WO-US19692.
PR 29-JUN-2001; 2001WO-US21066.
PR 09-JUL-2001; 2001WO-US21735.
PR 16-JUN-1997; 97US-046787P.
PR 17-OCT-1997; 97US-062505P.
PR 12-NOV-1997; 97US-065186P.
PR 13-NOV-1997; 97US-065311P.
PR 24-NOV-1997; 97US-066770P.
PR 25-FEB-1998; 98US-075945P.
PR 20-MAR-1998; 98US-078910P.
PR 28-APR-1998; 98US-083322P.
PR 07-MAY-1998; 98US-084600P.
PR 28-MAY-1998; 98US-087106P.
PR 02-JUN-1998; 98US-087607P.
PR 02-JUN-1998; 98US-087609P.
PR 03-JUN-1998; 98US-087759P.
PR 04-JUN-1998; 98US-088021P.


```

PR 04-JUN-1998; 98US-088025P.
PR 04-JUN-1998; 98US-088026P.
PR 04-JUN-1998; 98US-088028P.
PR 04-JUN-1998; 98US-088029P.
PR 04-JUN-1998; 98US-088030P.
PR 04-JUN-1998; 98US-088033P.
PR 04-JUN-1998; 98US-088167P.
PR 05-JUN-1998; 98US-088202P.
PR 05-JUN-1998; 98US-088212P.
PR 05-JUN-1998; 98US-088217P.
PR 05-JUN-1998; 98US-088655P.
PR 09-JUN-1998; 98US-088734P.
PR 10-JUN-1998; 98US-088738P.
PR 10-JUN-1998; 98US-088810P.
PR 10-JUN-1998; 98US-088810P.
PR 10-JUN-1998; 98US-088824P.
PR 10-JUN-1998; 98US-088826P.
PR 11-JUN-1998; 98US-088861P.
PR 11-JUN-1998; 98US-088861P.
PR 11-JUN-1998; 98US-088861P.
PR 12-JUN-1998; 98US-089105P.
PR 16-JUN-1998; 98US-089244P.
PR 16-JUN-1998; 98US-089512P.
PR 16-JUN-1998; 98US-089512P.
PR 17-JUN-1998; 98US-089532P.
PR 17-JUN-1998; 98US-089538P.
PR 17-JUN-1998; 98US-089598P.
PR 17-JUN-1998; 98US-089600P.
PR 17-JUN-1998; 98US-089600P.
PR 17-JUN-1998; 98US-089653P.
PR 17-JUN-1998; 98US-089801P.
PR 18-JUN-1998; 98US-089908P.
PR 18-JUN-1998; 98US-089908P.
PR 19-JUN-1998; 98US-089947P.
PR 19-JUN-1998; 98US-089948P.
PR 19-JUN-1998; 98US-089952P.
PR 22-JUN-1998; 98US-090246P.
PR 22-JUN-1998; 98US-090252P.
PR 22-JUN-1998; 98US-090254P.
PR 23-JUN-1998; 98US-090349P.
PR 23-JUN-1998; 98US-090355P.
PR 24-JUN-1998; 98US-090429P.
PR 24-JUN-1998; 98US-090431P.
PR 24-JUN-1998; 98US-090435P.
PR 24-JUN-1998; 98US-090444P.
PR 24-JUN-1998; 98US-090445P.
PR 24-JUN-1998; 98US-090472P.
PR 24-JUN-1998; 98US-090535P.
PR 24-JUN-1998; 98US-090535P.
PR 24-JUN-1998; 98US-090542P.
PR 24-JUN-1998; 98US-090542P.
PR 25-JUN-1998; 98US-090576P.
PR 25-JUN-1998; 98US-090676P.
PR 25-JUN-1998; 98US-090678P.
PR 25-JUN-1998; 98US-090690P.
PR 25-JUN-1998; 98US-090694P.
PR 25-JUN-1998; 98US-090695P.
PR 25-JUN-1998; 98US-090696P.
PR 26-JUN-1998; 98US-090862P.
PR 26-JUN-1998; 98US-090863P.
PR 01-JUL-1998; 98US-091360P.
PR 01-JUL-1998; 98US-091544P.
PR 02-JUL-1998; 98US-091519P.
PR 02-JUL-1998; 98US-091519P.
PR 02-JUL-1998; 98US-091628P.
PR 02-JUL-1998; 98US-091633P.
PR 02-JUL-1998; 98US-091646P.
PR 02-JUL-1998; 98US-091673P.
PR 07-JUL-1998; 98US-091978P.
PR 07-JUL-1998; 98US-091982P.
PR 09-JUL-1998; 98US-092182P.
PR 10-JUL-1998; 98US-092472P.

```

```

PR 20-JUL-1998; 98US-093339P.
PR 30-JUL-1998; 98US-094651P.
PR 04-AUG-1998; 98US-095282P.
PR 04-AUG-1998; 98US-095285P.
PR 04-AUG-1998; 98US-095301P.
PR 04-AUG-1998; 98US-095302P.
PR 04-AUG-1998; 98US-095318P.
PR 04-AUG-1998; 98US-095325P.
PR 04-AUG-1998; 98US-095325P.
PR 10-AUG-1998; 98US-095916P.
PR 10-AUG-1998; 98US-095929P.
PR 10-AUG-1998; 98US-096012P.
PR 11-AUG-1998; 98US-096143P.
PR 11-AUG-1998; 98US-096146P.
PR 12-AUG-1998; 98US-096146P.
PR 17-AUG-1998; 98US-096229P.
PR 17-AUG-1998; 98US-096272P.
PR 17-AUG-1998; 98US-096768P.
PR 17-AUG-1998; 98US-096768P.
PR 17-AUG-1998; 98US-096773P.
PR 17-AUG-1998; 98US-096791P.
PR 17-AUG-1998; 98US-096867P.
PR 17-AUG-1998; 98US-096891P.
PR 17-AUG-1998; 98US-096895P.
PR 17-AUG-1998; 98US-096895P.
PR 17-AUG-1998; 98US-096895P.
PR 18-AUG-1998; 98US-096949P.
PR 18-AUG-1998; 98US-096950P.
PR 18-AUG-1998; 98US-096950P.
PR 18-AUG-1998; 98US-096950P.
PR 18-AUG-1998; 98US-096950P.
PR 18-AUG-1998; 98US-096950P.
PR 19-AUG-1998; 98US-097022P.
PR 19-AUG-1998; 98US-097141P.
PR 20-AUG-1998; 98US-097218P.
PR 24-AUG-1998; 98US-097661P.
PR 26-AUG-1998; 98US-097952P.
PR 26-AUG-1998; 98US-097952P.
PR 26-AUG-1998; 98US-097954P.
PR 26-AUG-1998; 98US-097954P.
PR 26-AUG-1998; 98US-097971P.
PR 26-AUG-1998; 98US-097974P.
PR 26-AUG-1998; 98US-097978P.
PR 26-AUG-1998; 98US-097979P.
PR 26-AUG-1998; 98US-097986P.
PR 26-AUG-1998; 98US-098014P.

```

Query Match 14.2%; Score 78; DB 25; Length 570;
 Best Local Similarity 100.0%; Pred. No. 1.5e-06; Mismatches 0; Indels 0; Gaps 0;
 Matches 78; Conservative

```

OY 474 GCGAGACCGGGTATTAAGACCTGCGCTGCGCGGAGCGGAGGAGTTCCCGCGC 533
DB 1 GCGAGACCGGGTATTAAGACCTGCGCTGCGCGGAGCGGAGGAGTTCCCGCGC 60
OY 534 GCGCGGAGCGCGCGCGC 551
DB 61 GCGCGGAGCGCGCGCGC 78

```

```

RESULT 13
ABX90363 standard; cDNA: 570 BP.
ID ABX90363;
AC ABX90363;
XX
DT 01-MAY-2003 (first entry)
XX
DE Human secreted/transmembrane protein cDNA, #163.
XX
KW Human; gene; ss; PRO; secreted; transmembrane; signal peptide;
XX pharmaceutical; diagnostic; therapeutic; gene therapy.
OS Homo sapiens.
XX
PN US2002160384-A1.
XX

```


Db 61 GCCCGAGCCCCGCC 78

RESULT 14

ABX77974

ID ABX77974 standard; cDNA; 570 BP.

XX

AC ABX77974;

XX

XX 14-APR-2003 (first entry)

XX

DE Human PRO polynucleotide #127.

XX

XX Human; PRO; gene; ss; cytosolic; tumour; cancer; breast; lung; stomach;

KM liver; horse; cow; dog; cat; sheep; pig; goat; rabbit; ADPPT;

KW antibody-dependent enzyme mediated produg therapy.

XX

OS Homo sapiens.

XX

PN US2003027163-A1.

XX

PD 06-FEB-2003.

XX

XX 15-NOV-2001; 2001US-0997666.

XX

XX 05-NOV-1997; 97NO-US200069.

FR 16-SEP-1998; 98NO-US19330.

FR 17-SEP-1998; 98NO-US19437.

FR 07-OCT-1998; 98NO-US21141.

FR 01-DEC-1998; 98NO-US25108.

FR 05-JAN-1999; 99NO-US05028.

FR 08-MAR-1999; 99NO-US12222.

FR 02-JUN-1999; 99NO-US21090.

FR 15-SEP-1999; 99NO-US21547.

FR 30-NOV-1999; 99NO-US28301.

FR 01-DEC-1999; 99NO-US28634.

FR 16-DEC-1999; 99NO-US30095.

FR 20-DEC-1999; 2000WO-US00911.

FR 05-JAN-2000; 2000WO-US00376.

FR 11-FEB-2000; 2000WO-US03565.

FR 18-FEB-2000; 2000WO-US04341.

FR 22-FEB-2000; 2000WO-US04914.

FR 24-FEB-2000; 2000WO-US05004.

FR 02-MAR-2000; 2000WO-US05841.

FR 10-MAR-2000; 2000WO-US06319.

FR 15-MAR-2000; 2000WO-US06884.

FR 20-MAR-2000; 2000WO-US07377.

FR 30-MAR-2000; 2000WO-US08439.

FR 15-MAY-2000; 2000WO-US13358.

FR 17-MAY-2000; 2000WO-US13705.

FR 22-MAY-2000; 2000WO-US14042.

FR 30-MAY-2000; 2000WO-US15264.

FR 02-JUN-2000; 2000WO-US20710.

FR 28-JUL-2000; 2000WO-US22031.

FR 11-AUG-2000; 2000WO-US23522.

FR 23-AUG-2000; 2000WO-US23528.

FR 24-AUG-2000; 2000WO-US30952.

FR 08-NOV-2000; 2000WO-US30952.

FR 01-DEC-2000; 2001WO-US106520.

FR 28-FEB-2001; 2001WO-US15692.

FR 01-JUN-2001; 2001WO-US15692.

FR 20-JUN-2001; 2001WO-US21956.

FR 29-JUN-2001; 2001WO-US21956.

FR 09-JUL-2001; 2001WO-US21956.

FR 16-JUN-1997; 97US-049787P.

FR 17-OCT-1997; 97US-062250P.

FR 12-NOV-1997; 97US-085186P.

FR 13-NOV-1997; 97US-085311P.

FR 24-NOV-1997; 97US-066770P.

PR 25-FEB-1998; 98US-075945P.

PR 20-MAR-1998; 98US-078910P.

PR 28-APR-1998; 98US-083322P.

PR 07-MAY-1998; 98US-084600P.

PR 28-MAY-1998; 98US-087106P.

PR 02-JUN-1998; 98US-087607P.

PR 02-JUN-1998; 98US-087609P.

PR 03-JUN-1998; 98US-087759P.

PR 04-JUN-1998; 98US-088021P.

PR 04-JUN-1998; 98US-088025P.

PR 04-JUN-1998; 98US-088026P.

PR 04-JUN-1998; 98US-088028P.

PR 04-JUN-1998; 98US-088029P.

PR 04-JUN-1998; 98US-088030P.

PR 04-JUN-1998; 98US-088033P.

PR 04-JUN-1998; 98US-088326P.

PR 05-JUN-1998; 98US-088167P.

PR 05-JUN-1998; 98US-088202P.

PR 05-JUN-1998; 98US-088212P.

PR 05-JUN-1998; 98US-088217P.

PR 09-JUN-1998; 98US-088655P.

PR 10-JUN-1998; 98US-088734P.

PR 10-JUN-1998; 98US-088738P.

PR 10-JUN-1998; 98US-088742P.

PR 10-JUN-1998; 98US-088810P.

PR 10-JUN-1998; 98US-088824P.

PR 11-JUN-1998; 98US-088826P.

PR 11-JUN-1998; 98US-088858P.

PR 11-JUN-1998; 98US-088861P.

PR 12-JUN-1998; 98US-088875P.

PR 16-JUN-1998; 98US-089105P.

PR 16-JUN-1998; 98US-089440P.

PR 16-JUN-1998; 98US-089512P.

PR 16-JUN-1998; 98US-089514P.

PR 17-JUN-1998; 98US-089532P.

PR 17-JUN-1998; 98US-089538P.

PR 17-JUN-1998; 98US-089588P.

PR 17-JUN-1998; 98US-089599P.

PR 17-JUN-1998; 98US-089600P.

PR 17-JUN-1998; 98US-089653P.

PR 18-JUN-1998; 98US-089680P.

PR 18-JUN-1998; 98US-089907P.

PR 18-JUN-1998; 98US-089908P.

PR 19-JUN-1998; 98US-089947P.

PR 19-JUN-1998; 98US-089948P.

PR 19-JUN-1998; 98US-089952P.

PR 22-JUN-1998; 98US-090246P.

PR 22-JUN-1998; 98US-090252P.

PR 23-JUN-1998; 98US-090349P.

PR 23-JUN-1998; 98US-090355P.

PR 23-JUN-1998; 98US-090429P.

PR 24-JUN-1998; 98US-090431P.

PR 24-JUN-1998; 98US-090435P.

PR 24-JUN-1998; 98US-090444P.

PR 24-JUN-1998; 98US-090445P.

PR 24-JUN-1998; 98US-090472P.

PR 24-JUN-1998; 98US-090535P.

PR 24-JUN-1998; 98US-090540P.

PR 24-JUN-1998; 98US-090542P.

PR 24-JUN-1998; 98US-090576P.

PR 25-JUN-1998; 98US-090678P.

PR 25-JUN-1998; 98US-090690P.

PR 25-JUN-1998; 98US-090694P.

PR 25-JUN-1998; 98US-090695P.

PR 25-JUN-1998; 98US-090696P.

PR 26-JUN-1998; 98US-090862P.

PR 26-JUN-1998; 98US-090863P.

PR 01-JUL-1998; 98US-091360P.

PR 01-JUL-1998; 98US-091544P.

PR 02-JUL-1998; 98US-091478P.

PR 02-JUL-1998; 98US-09151P
PR 02-JUL-1998; 98US-091626P
PR 02-JUL-1998; 98US-091628P
PR 02-JUL-1998; 98US-091633P
PR 02-JUL-1998; 98US-091646P
PR 02-JUL-1998; 98US-091673P
PR 07-JUL-1998; 98US-091678P
PR 07-JUL-1998; 98US-091822P
PR 09-JUL-1998; 98US-092182P
PR 10-JUL-1998; 98US-092472P
PR 20-JUL-1998; 98US-093339P
PR 30-JUL-1998; 98US-094651P
PR 04-AUG-1998; 98US-095282P
PR 04-AUG-1998; 98US-095285P
PR 04-AUG-1998; 98US-095301P
PR 04-AUG-1998; 98US-095302P
PR 04-AUG-1998; 98US-095318P
PR 04-AUG-1998; 98US-095321P
PR 04-AUG-1998; 98US-095325P
PR 10-AUG-1998; 98US-095316P
PR 10-AUG-1998; 98US-095329P
PR 10-AUG-1998; 98US-096012P
PR 11-AUG-1998; 98US-096013P
PR 11-AUG-1998; 98US-096146P
PR 12-AUG-1998; 98US-096329P
PR 12-AUG-1998; 98US-096757P
PR 17-AUG-1998; 98US-096766P
PR 17-AUG-1998; 98US-096768P
PR 17-AUG-1998; 98US-096773P
PR 17-AUG-1998; 98US-096791P
PR 17-AUG-1998; 98US-096867P
PR 17-AUG-1998; 98US-096891P
PR 17-AUG-1998; 98US-096894P
PR 17-AUG-1998; 98US-096895P
PR 17-AUG-1998; 98US-096897P
PR 18-AUG-1998; 98US-096949P
PR 18-AUG-1998; 98US-096950P
PR 18-AUG-1998; 98US-096959P
PR 18-AUG-1998; 98US-096960P
PR 18-AUG-1998; 98US-097022P
PR 19-AUG-1998; 98US-097022P
PR 19-AUG-1998; 98US-097141P
PR 20-AUG-1998; 98US-097218P
PR 24-AUG-1998; 98US-097661P
PR 26-AUG-1998; 98US-097952P
PR 26-AUG-1998; 98US-097954P
PR 26-AUG-1998; 98US-097955P
PR 26-AUG-1998; 98US-097971P
PR 26-AUG-1998; 98US-097971P
PR 26-AUG-1998; 98US-097978P
PR 26-AUG-1998; 98US-097979P
PR 26-AUG-1998; 98US-097986P
PR 26-AUG-1998; 98US-098014P
PR 31-AUG-1998; 98US-098525P
PR 16-SEP-1998; 98US-100634P
PR 17-SEP-1998; 98US-100858P
PR 22-DEC-1998; 98US-113296P
PR 12-MAR-1999; 98US-123957P
PR 23-JUN-1999; 98US-141037P
PR 07-JUL-1999; 98US-143048P

RESULT_15	
ABX79570	
ID	ABX79570 standard; cDNA; 570 BP.
XX	
AC	ABX79570;
XX	
DT	17-APR-2003 (first entry)
XX	
DE	Human secreted/transmembrane protein cDNA, #163.
XX	
KW	Human; gene; ss; PRO; secreted; transmembrane; signal peptide;
KW	pharmaceutical; diagnostic; biosensor; bioreactor; tumour; therapeutic;
KW	colon cancer; lung cancer; breast cancer;cancer; gene therapy.
XX	
OS	Homo sapiens.
XX	
PM	US2002142961-A1.
XX	
PD	03-OCT-2002.
XX	
PF	19-NOV-2001; 2001US-0989721.
XX	
PR	05-NOV-1997; 97WO-US20069.
PR	17-SEP-1998; 98WO-US19437.
PR	07-OCT-1998; 98MO-US21141.
PR	01-DEC-1998; 98MO-US25108.
PR	05-JAN-1999; 99MO-US00106.
PR	08-MAR-1999; 99MO-US05028.
PR	02-JUN-1999; 99MO-US12252.
PR	15-SEP-1999; 99MO-US21090.
PR	15-SEP-1999; 99MO-US21547.
PR	30-NOV-1999; 99MO-US28313.
PR	01-DEC-1999; 99MO-US28301.
PR	01-DEC-1999; 99MO-US28634.
PR	16-DEC-1999; 99MO-US30095.
PR	20-DEC-1999; 99MO-US30911.
PR	05-JAN-2000; 2000MO-US00219.
PR	06-JAN-2000; 2000MO-US00376.
PR	11-FEB-2000; 2000MO-US03665.
PR	16-FEB-2000; 2000MO-US04341.
PR	22-FEB-2000; 2000MO-US04414.
PR	24-FEB-2000; 2000MO-US05004.
PR	02-MAR-2000; 2000MO-US05841.
PR	10-MAR-2000; 2000MO-US06319.
PR	15-MAR-2000; 2000MO-US06884.
PR	20-MAR-2000; 2000MO-US07377.
PR	30-MAR-2000; 2000MO-US08439.
PR	15-MAY-2000; 2000MO-US13358.
PR	17-MAY-2000; 2000MO-US13705.
PR	22-MAY-2000; 2000MO-US14042.
PR	30-MAY-2000; 2000MO-US14941.
PR	02-JUN-2000; 2000MO-US15264.
PR	28-JUL-2000; 2000MO-US20710.
PR	11-AUG-2000; 2000MO-US22031.
PR	23-AUG-2000; 2000MO-US23322.
PR	24-AUG-2000; 2000MO-US23328.
PR	08-NOV-2000; 2000MO-US30952.
PR	01-DEC-2000; 2000MO-US32678.
PR	28-FEB-2001; 2001MO-US06520.
PR	01-JUN-2001; 2001MO-US17800.
PR	20-JUN-2001; 2001MO-US19692.
PR	29-JUN-2001; 2001MO-US21066.
PR	09-JUL-2001; 2001MO-US21735.
PR	16-JUN-1997; 97US-049787P.
PR	17-OCT-1997; 97US-062250P.
PR	12-NOV-1997; 97US-063186P.
PR	13-NOV-1997; 97US-063311P.
PR	24-NOV-1997; 97US-066770P.
PR	25-FEB-1998; 98US-075945P.
PR	20-MAR-1998; 98US-078910P.
PR	28-APR-1998; 98US-083322P.
PR	07-MAY-1998; 98US-084600P.

28-MAY-1998; 98US-087106P.
 PR 02-JUN-1998; 98US-087607P.
 PR 02-JUN-1998; 98US-087609P.
 PR 02-JUN-1998; 98US-087759P.
 PR 03-JUN-1998; 98US-087827P.
 PR 04-JUN-1998; 98US-088021P.
 PR 04-JUN-1998; 98US-088025P.
 PR 04-JUN-1998; 98US-088026P.
 PR 04-JUN-1998; 98US-088028P.
 PR 04-JUN-1998; 98US-088029P.
 PR 04-JUN-1998; 98US-088030P.
 PR 04-JUN-1998; 98US-088033P.
 PR 04-JUN-1998; 98US-088036P.
 PR 05-JUN-1998; 98US-088167P.
 PR 05-JUN-1998; 98US-088202P.
 PR 05-JUN-1998; 98US-088212P.
 PR 05-JUN-1998; 98US-088217P.
 PR 09-JUN-1998; 98US-088655P.
 PR 10-JUN-1998; 98US-088734P.
 PR 10-JUN-1998; 98US-088738P.
 PR 10-JUN-1998; 98US-088742P.
 PR 10-JUN-1998; 98US-088810P.
 PR 10-JUN-1998; 98US-088824P.
 PR 10-JUN-1998; 98US-088826P.
 PR 11-JUN-1998; 98US-088858P.
 PR 11-JUN-1998; 98US-088861P.
 PR 11-JUN-1998; 98US-088876P.
 PR 12-JUN-1998; 98US-089105P.
 PR 12-JUN-1998; 98US-089440P.
 PR 16-JUN-1998; 98US-089512P.
 PR 16-JUN-1998; 98US-089514P.
 PR 17-JUN-1998; 98US-089532P.
 PR 17-JUN-1998; 98US-089538P.
 PR 17-JUN-1998; 98US-089598P.
 PR 17-JUN-1998; 98US-089599P.
 PR 17-JUN-1998; 98US-089600P.
 PR 17-JUN-1998; 98US-089653P.
 PR 18-JUN-1998; 98US-089801P.
 PR 18-JUN-1998; 98US-089907P.
 PR 18-JUN-1998; 98US-089908P.
 PR 28-AUG-2001; 2001US-0941992.

(GETH) GENENTECH INC.

XX Ashkenazi AJ, Baker KP, Botstein D, Desnoyers L, Eaton DL;
 FI Ferrara N, Fong S, Gerber H, Gerritsen ME, Goddard A, Godowski PJ;
 PI Grimaldi JC, Gurney AL, Kijavitt J, Napier MA, Pan J, Pooni NF;
 PI Roy MA, Stewart TA, Tumas D, Watanabe CK, Williams PM, Wood WI;
 PI Zhang Z;

WPI: 2003-155950/15.
 P-PSDB: ABUS9026.

XX New secreted and transmembrane PRO polypeptides (e.g. PRO183, PRO184,
 PT PRO361 or PRO846) useful as targets for therapeutic intervention in
 PT cancers (e.g. lung or breast cancers), or for diagnosing these cancers

XX Claim 2: Fig 289; 647pp: English.

XX The invention discloses isolated PRO secreted/transmembrane polypeptides
 CC comprising a sequence without signal peptide and the nucleic acid
 CC encoding them. The polypeptides can be used to raise antibodies that
 CC specifically bind to the PRO polypeptide, for linking a bioactive
 CC molecule to a cell expressing a PRO protein and for modulating at least
 CC one biological activity of a cell. The PRO polypeptides or
 CC polynucleotides are also useful as pharmaceuticals, diagnostics,
 CC biosensors or bioreactors, for detecting or treating e.g. tumours in
 CC mammals, e.g. humans, dogs, cats, cattle, horses, sheep, pigs, goats or
 CC rabbits as targets for therapeutic intervention in certain cancers (e.g.
 CC colon, lung or breast cancers) and diagnostic determination of the
 CC presence of these cancers. The PRO polypeptides are also useful as
 CC molecular weight markers or for chromosome identification. The PRO genes

CC are useful as hybridisation probes or for screening libraries of human
 CC cDNA, genomic DNA or mRNA. The PRO genes may also be used in gene
 CC therapy, particularly for replacing a defective gene. The sequences
 CC presented in ABX/9290-ABX/9675 are the genes encoding, the primers
 CC amplifying and the probes detecting the PRO polynucleotides of the
 CC invention.
 CC Note: The sequence data for this patent is also available in electronic
 CC format from USPTO at seqdata.uspto.gov/sequence.html.
 XX

SQ Sequence 570 BP; 129 A; 190 C; 170 G; 81 T; 0 other;

Query Match 14.2%; Score 78; DB 25; Length 570;

Best local Similarity 100.0%; Pred. No. 1.5e-06;

Matches 78; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 474 GCGAGACCGGGTATAGAGCGCTGCGCTTGGCCGAGCGCAGGTTCCCGCGC 533
 ||||||||||||||||||||||||||||||||||||||||||||||||||||
 DB 1 GCGAGACCGGGTATAGAGCGCTGCGCTTGGCCGAGCGCAGGTTCCCGCGC 60

QY 534 GCGCGAGCGCGCGCGCGC 551
 ||||||||||||||||||||
 DB 61 GCGCGAGCGCGCGCGCGC 78

Search completed: September 19, 2003, 23:30:25
 Job time : 267.219 secs


```

source
1. 932
/organism="Drosophila melanogaster"
/mol_type="genomic DNA"
/db_xref="taxon:7227"
/clone_lib="BACRIB00"
/clone_lib="PC1-98"
/notes_end : 17'

BASE COUNT      155 a      202 c      241 g      91 t      243 others
ORIGIN

Query Match      13.6%; Score 74.8; DB 29; Length 932;
Best Local Similarity 32.9%; Pred. No. 0.00021;
Matches 163; Conservative 105; Mismatches 224; Indels 3; Gaps 1;

OY 1 CGCGCGGGAGGCGGCGGAGTAGAGGCGCTGATGCTCCCTGCGCCCTCCACCTCCAGG 60
    ||| : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 874 SGGGCGSCSGCGCGCGSSGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 815
    ||| : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
OY 61 CGCAGAAAGCGCGCCACAGAGACCCCGCAGTGCCTGCGCGCGCGCGCGCGCGCGCGCG 120
    ||| : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 814 CGSSCGSSSGCGSCSGCGSSCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 755
    ||| : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
OY 121 CAGGAGCAGGAGCAGCACTGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 180
    ||| : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 754 SSSSGCGSSGGGSGGSGGSGGSGGSGGSGGSGGSGGSGGSGGSGGSGGSGGSGGSGG 695
    ||| : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
OY 181 CCCACACNGAGGAGACCTCCCTCAGCCCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 240
    ||| : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 694 SSGGSGSGGSGSGGSGGSGGSGGSGGSGGSGGSGGSGGSGGSGGSGGSGGSGGSGG 638
    ||| : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
OY 241 AGACCGAAAGCGGAGGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 300
    ||| : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 637 GSSSCCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 578
    ||| : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
OY 301 CTCCTCAGAGGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 360
    ||| : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 577 CMASSCGCGVSGSGCSGSCSGSCSGSCSGSCSGSCSGSCSGSCSGSCSGSCSGSC 518
    ||| : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
OY 361 GGGGAGCGGCTTCCAGAGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 420
    ||| : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 517 SCGSCCTCGBCGCCCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 458
    ||| : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
OY 421 AGCGGAGCGGCGAGGCGCTTCTCAGAGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 480
    ||| : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 457 AGSGCAGMAGMAGMAGMAGMAGMAGMAGMAGMAGMAGMAGMAGMAGMAGMAGMAG 398
    ||| : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
OY 481 CCGGGTTAAGAGC 495
    ||| : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 397 AGGCAAMAACAMCC 383
    ||| : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :

RESULT 9
AG043499/c      949 bp      DNA      linear      GSS 01-NOV-2001
LOCUS      Pan troglodytes DNA, clone: PTB-021N08.F, genomic survey sequence.
DEFINITION      AG043499
ACCESSION      AG043499.1 GI:16572224
VERSION
KEYWORDS      GSS.
SOURCE      Pan troglodytes (chimpanzee)
ORGANISM      Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
      Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Pan.
REFERENCE
      1 Fujiyama, A., Hattori, M., Toyoda, A., Taylor, T.D., Yada, T.,
      Totoki, Y., Watanabe, H. and Sakaki, Y.
      BAC end sequences of library PTB
      unpublished
      2 (bases 1 to 949)
      Fujiyama, A., Hattori, M., Toyoda, A., Taylor, T.D., Yada, T.,
      Totoki, Y., Watanabe, H. and Sakaki, Y.
      Direct Submission
      Submitted (02-AUG-2001) Asao Fujiyama, The Institute of Physical
      and Chemical Research (RIKEN), Genomic Sciences Center (GSC);

```

```

1-7-22 Suehiro-chou, Tsurumi-ku, Yokohama, Kanagawa 230-0045, Japan
(E-mail:chimbases@sc.riken.go.jp, URL:http://hgp.gsc.riken.go.jp/,
Tel:81-45-503-9111, Fax:81-45-503-9170)
Clones are derived from the chimpanzee BAC library PTB This BAC end
was generated during the R&D process and may have higher chance of
clone tracking errors.
PRIMERS
Sequencing: -21M13
LIBRARY
Vector 1 : pKS145
R.site 1 : SacI
R.site 2 : SacI.
location/Qualifiers
1. 949
/organism="Pan troglodytes"
/mol_type="genomic DNA"
/db_xref="taxon:9598"
/clone_lib="PTB-021N08.F"
/sex="male"
/cell_type="lymphoblast"
/clone_lib="PTB Chimpanzee Male BAC library"

BASE COUNT      55 a      465 c      281 g      35 t      113 others
ORIGIN

Query Match      13.4%; Score 73.6; DB 29; Length 949;
Best Local Similarity 44.9%; Pred. No. 0.00036;
Matches 223; Conservative 0; Mismatches 267; Indels 9; Gaps 2;

OY 57 CAGGCGCAGAGGCGCGCCACAGAGACCCCGACGTGCCGACGTTGCGACGTTGGATCA 116
    ||| : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 849 CGGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 790
    ||| : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
OY 117 GAGCAGGAGCAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 176
    ||| : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 789 GGGCGGGGGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 730
    ||| : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
OY 177 AGCTCCCTACGCGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 232
    ||| : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 729 GCGCGGGGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 670
    ||| : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
OY 233 ---GTGGGGTTCAGACCGCAAGAGTGCAGGCGCGCGCGCGCGCGCGCGCGCGCG 289
    ||| : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 669 GGGGGGGGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 610
    ||| : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
OY 290 GCCGGGCTGCTCTCTCAGAGGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 349
    ||| : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 609 GGNNGGCGGCGGNNNGNNNGGCGGNNNGGCGGNNNGGCGGNNNGGCGGNNNGGCG 550
    ||| : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
OY 350 GCGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 409
    ||| : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 549 GCGGGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCG 492
    ||| : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
OY 410 GCACGGCGGTGAGCGGAGCGGCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 469
    ||| : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 491 GGGGGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCG 432
    ||| : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
OY 470 AGGGCGGAGGAGCGGCTTAAAGAGCGCTGCGCTTCCCGGCGGAGCGCGAGTTCCC 529
    ||| : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 431 CCGCGCGGGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 372
    ||| : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
OY 530 GCGCGCGCGCGAGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 351
    ||| : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 371 GGGGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 351
    ||| : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :

RESULT 10
BO681076/c      1065 bp      mRNA      linear      EST 15-JUN-2002
LOCUS      AGENCOURT_8187867 NIH_MGC_112 Homo sapiens cDNA clone IMAGE:6259803
DEFINITION      5', mRNA sequence.
ACCESSION      BO681076
VERSION      BO681076.1 GI:21793755
KEYWORDS      EST.

```

SOURCE	ORGANISM
Homo sapiens	(human)
Homo sapiens	
Eukaryota:	Melazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia:	Eutheria; Primates; Catarrhini; Homnidae; Homo.
REFERENCE	NIH-MGC http://mgi.nci.nih.gov/.
AUTHORS	1 (bases 1 to 1065)
TITLE	Unpublished
JOURNAL	Contact: Robert Strausberg, Ph.D. Email: cgabbs-remail.nih.gov Tissue Procurement: DCD/DTP cDNA Library Preparation: Rubin Laboratory cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LNL) DNA Sequencing by: Agencourt Bioscience Corporation Clone distribution: MGC clone distribution information can be found through the I.M.A.G.E. Consortium/LNL at: http://lmgc.lnl.gov Plate: LLMC2A17 row: 0 column: 04 High quality sequence stop: 315.
FEATURES	Location/Qualifiers
Source	1..1065 /organism="Homo sapiens" /mol_type="mRNA" /db_xref="taxon:9606" /clone="IMAGE:6259803" /tissue_type="melanotic melanoma, cell line" /lab_host="DH10B (phage-resistant)" /clone_id="NIH_MGC_112" /note="Organ: skin; Vector: pORF7; Site:1: XhoI; Site:2: EcoRI; cDNA made by oligo-dT priming. Directionally cloned into EcoRI/XhoI sites using the following 5' adaptor: GAGGATCGAC(G) Library constructed by Ling Hong in the laboratory of Gerald M. Rubin (University of California, Berkeley) using ZAP-cDNA synthesis kit (Stratagene) and Superscript II RT (Life Technologies). Note: this is a NIH-MGC library."
BASE COUNT	63 a 593 c 314 g 55 t 40 others
ORIGIN	
Query Match	13.4%; Score 73.6; DB:13; Length 1065; Best Local Similarity 45.8%; Freq: No. 0.00036;
Matches	250; Conservative 0; Mismatches 296; Indels 2; Gaps 1;
OY	2 GGCCGGGAGAAGCGGCCGGGAGTGAGGCTGTATCTTCCTTGGGGCTTCACACTCTCCCAAGC 61
Dd	900 GGG 841
OY	62 GCAGAAAGGCGCCACAGAGACCCTCCAGTGCAGCTTCCACAGCTTGGATTCAGAGGC 121
Dd	840 GGG 781
OY	122 AGGAGACAGGAGCACAGAACTGCGCGCCCCCGCCCTTGCCTTGCAGGAGGAAGCTC 181
Dd	780 GGGGGCCCGGG 721
OY	182 CCTACACNGAGGAAGCTTCCCTTCCACCCGGCCAGCCCTTCAGAGGGGGCGCTGGGGTCA 241
Dd	720 GGG 661
OY	242 GACGCAAAAGCGAAGTGTGCGGGCGGGGGTGGCTTCGCGGAGACAAGCGCGGGCTGCC 301
Dd	660 GCGGNGGGGGCGCGGCGGG 601
OY	302 TCTCTCAGAGAGCCCGACGCTTCCCAAGAGGAAGTCTTTCAGAGCCCGGGCAGAGGAAGG 361
Dd	600 GCG--CGGGGGGGCGCGGGGCGGG 543
OY	362 GGCAGGGGCTTCCAGAGGCGCGCGCGCGAGCAGGAAGTTGGCCAGGCGAGCGGCGTGA 421
Dd	542 GGN 483
OY	422 GCGAGCGGGAGGAGCTTTCAGAGAGCGGGGGAGGCGGCGCTTCAGAGGGCGAGGAC 481

[illegible]

```

Db      875 SSSSVVSAVAASSSSSSSASMSAAVAASVSVASVSSSSSSSSSSASVVA 934
QY      424 GAGAGCGGCGAGGCTTCTCAGAGCGCGCGGCGAGCGCCCTGAGAGCGGCGAGCCG 483
Db      935 SVASASASVSSSSSSSSSVSSSVASVSAVSSASVSSSVSVVAVAASAA 994
QY      484 GGTATAGAGAGCTCGCTGCTGCGCGCGGCGAGCGCCAGCTCCCGCGCGCGCGAGCC 543
Db      995 AAAAAAAAASSASAAVAASVSAVSSSSSSSSASVSVSSSSSVSVSSSVSVSSS 1054
QY      544 CCC 546
Db      1055 VSV 1057

RESULT 12
Bg786331/c
LOCUS    1040 bp      mRNA      linear      EST 20-MAY-2001
DEFINITION Strongylocentrotus purpuratus cDNA clone PC_0028_A2.G12_MR 5', mRNA
SEQUENCE
Bg786331
VERSION  Bg786331.1  GI:14157344
SOURCE    Strongylocentrotus purpuratus
ORGANISM  Strongylocentrotus purpuratus
Eukaryota; Metazoa; Echinodermata; Eleutherozoa; Echinozoa;
Echinoidea; Echinoidea; Echinacea; Echinoida;
Strongylocentrotidae; Strongylocentrotus.
1 (bases 1 to 1040)
Zhu,X., Mahatras,G., Illies,M.R., Cameron,R.A., Davidson,E.H. and
Ettensohn,C.A.
TITLE     A large scale analysis of mRNAs expressed by primary mesenchyme
AUTHORS   cells of the sea urchin embryo
JOURNAL    Development 128 (13), 2615-2627 (2001)
MEDLINE    21384984
PUBMED     11493577
COMMENT    Contact: Ettensohn CA
           Dept. Biol. Sci.
           Carnegie Mellon University
           4400 Fifth Avenue, Pittsburgh, PA 15213, USA
           Tel: +1 412 268 5849
           Email: ettensohn@andrew.cmu.edu.
           Location/Qualifiers
             1. 1040
               /organism="Strongylocentrotus purpuratus"
               /mol_type="mRNA"
               /db_xref="taxon:7668"
               /clone="PC_0028_A2.G12_MR"
               /tissue_type="embryo"
               /cell_type="primary mesenchyme cells"
               /lab_host="E.coli"
               /clone_lib="sea urchin primary mesenchyme cell cDNA
               library"
               /note="Vector: pSPORT1; Site_1: NotI; Site_2: SalI; oligo
               dt priming from poly A+ RNA, directionally cloned"
BASE COUNT      20 a      459 c      472 g      44 t      5 others
ORIGIN
Query Match      13.3%; Score 73.2; DB 12; Length 1040;
Best Local Similarity 47.1%; Pred. No. 0.00042;
Matches 256; Conservative 0; Mismatches 285; Indels 3; Gaps 1;
QY      7 GGGAGGCGCGCGAGTGCCTGATCGCTCCCTGCGCGCTCCACCTCCCGAGCGCGAGA 66
Db      872 GGGCGCGCGCGCGCGCGCGCGCGCGAGCGCGCGCGCGCGCGCGCGCGCGCGC 813
QY      67 AGCGCGCGCGAGAGCGCGCGCGCGCGAGTGTGCGCGCGCGCGCGCGCGCGCGCGCG 126
Db      812 GCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 753
QY      127 CCAGGAGCGCGAGACTGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 186

```

```

Db      752 GGGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 693
QY      187 CCGAGGAGAGCTCCCTTCACCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 246
Db      692 GCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 633
QY      247 CAAGCGAGAGTGTGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 306
Db      632 GCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 573
QY      307 CAGAGGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 366
Db      572 CCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 513
QY      367 GGGCTTCCAGAGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 426
Db      512 GGGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 453
QY      427 GCGGCGAGGCGCTTCTCAGAGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 486
Db      452 GCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 394
QY      487 ATAGAGCGCTGTGCGCTTGTGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 546
Db      393 --CGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 336
QY      547 GCGC 550
Db      335 CCGC 332

RESULT 13
BX405071
LOCUS    1201 bp      mRNA      linear      EST 13-MAY-2003
DEFINITION BX405071 Homo sapiens B CELLS (RAMOS CELL LINE) Homo sapiens cDNA
clone CS0G006YG06 3-PRIME, mRNA sequence.
BX405071
BX405071.1  GI:30648111
EST.
SOURCE    Homo sapiens (human)
ORGANISM  Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.
1 (bases 1 to 1201)
Li,M.B., Gruber,C., Jessee,J. and Polayres,D.
Full-length cDNA libraries and normalization
Unpublished
Contact: Genoscope
Genoscope - Centre National de Sequencage
BP 191 91006 EVRY cedex - France
Email: seqref@genoscope.cns.fr Web : www.genoscope.cns.fr
Library was constructed by life technologies; a division of
Invitrogen. This sequence belongs to sequence cluster 10245.r For
more information about this cluster, see
http://www.genoscope.cns.fr/
cgi-bin/cluster.cgi?seq=CS0AG006BD03NP1&cluster=10245.r. Contact :
Feng Liang Email: fliang@life.techn.com URL :
http://fulllength.invitrogen.com/invitrogen Corporation 1600
Paradise Avenue Genoscope Sequence ID : CS0AG006BD03NP1.
Location/Qualifiers
  1. 1201
    /organism="Homo sapiens"
    /mol_type="mRNA"
    /db_xref="taxon:9606"
    /clone="CS0G006YG06"
    /tissue_type="B CELLS (RAMOS CELL LINE)"
    /cell_line="RAMOS CELL LINE"
    /clone_lib="Homo sapiens B CELLS (RAMOS CELL LINE)"
    /note="Vector: pCMVSPORT_6; 1st strand cDNA was primed
    with a NotI-oligo(dT) primer. Five prime end enriched,
    double-strand cDNA was digested with Not I and cloned into
    the Not I and EcoRV sites of the pCMVSPORT 6 vector.
    Library was not normalized."

```

```

FEATURES
source

```

[illegible][illegible]

Mon Sep 22 15:31:39 2003

us-10-081-817a-19.rst

Page 10

REFERENCE
AUTHORS
TITLE
JOURNAL
COMMENT

Elkayayota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Mus
1 (bases 1 to 1143)
NIF-MGC <http://mgc.ncl.nih.gov/>.
National Institutes of Health, Mammalian Gene Collection (MGC)
Unpublished
Contact: Robert Strausberg, Ph.D.

Tissue Procurement: The Cepco Laboratory
cDNA Library Preparation: Life Technologies, Inc.
cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LNL)
DNA Sequencing by: Agencourt Bioscience Corporation
Clone distribution: MGC clone distribution information can be
found through the I.M.A.G.E. Consortium/LNL at:
<http://image.jhmi.gov>
Plate: L1M14038 row: g column: 14
High quality sequence stop: 353.

FEATURES
source

1. .1143

BASE COUNT

ORIGIN

Query Match	13.1%;	Score 72.2;	DB 13;	Length 1143;
Best Local Similarity	48.3%;	Pred. No. 0.00065;		
Matches 265; Conservative	0;	Mismatches 276;	Indels 8;	Gaps 3;

QY	11	GGGCGCCGGAGTGTAGAGCTATGTCCTCCTTGCGCTACACTCCCAAGGCACAAGGC	70
Dd	1143	GCGCCCGGGGCCCGCGCCCGCCCGCCCGCGCGCGCGCGCGCGCGCGCGCGCGCG	1084
QY	71	GCCACAGGAGACCCTCCAGTCCCGCACGTTGCGACGTTGTGGATCAGAAGCAG--GGACC	128
Dd	1083	GCGCGCMGGGAGCG	1022
QY	129	AGGAGCCAGGAACATGCGCCCGCCCGCCCGCCCGCTGAGCGGAGGAAAGCTCCCTCAC	188
Dd	1023	GCGGGGGGGNGGGCGCGCCCGCCCGCCCGCCCGCGCGCGCGCGCGCGCGCGCGCG	964
QY	189	NGAAGGAAAGCTTCCTCATCCGGCCACCCCTGCAGGGGGGGGGCGCTGSGATCAGACCGA	248
Dd	963	CGCGCGGGGGCCCCCG	904
QY	249	AAGGGAAGTGTGGGGCCGGGGGT----GGGCTCGCGGAGAACAAAGCGCGGCTCGCTC	303
Dd	903	GGGCGCGCGCCCGCGCGGGGCGCGGGMCMNNGCGCGGGGCGCGCGCGCGCGCGCG	844
QY	304	TCTCAGAGGGCGCCAGGCGCTCGCCACAAGAAATCTCTGAGGCGCGGGCAGGGAAGGGG	363
Dd	843	CCTCMCGGNCCTCGCGCGCGGGGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG	784
QY	364	CAGGGGCTTCCABGAGGCCCGCGCGCGCGCAGCAGAAATTGGCTCAGAGGCACGGCC-GTAG	422
Dd	783	CGCCCCCCCCCGCGCGGGGCGCGCGGNNGCGCGGGNNMGCGCGCGCGGGGCGCGCGG	724
QY	423	CGGAAGCGGGCAGGCTTTCTCAGAGCGCGGGCGAGGCGCGCTGTGAGAGGGCGAGACC	482
Dd	723	GGGCGCGGGGGGGCGCCCCCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGGGGGGG	664
QY	483	GGGTATAAGAAAGCTGTGGCTTGGCCCGGCGAGCGCAGAGTTTCCC CGGCGCCCCGAGC	542
Dd	663	GGGGGCGCGGGCCCCCGCGGGGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG	604

QY	543	CCCCGGCC	551
Db	603	CCCCGGCC	595

Search completed: September 20, 2003, 01:39:06
Job time : 2449.79 secs